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Bulletin of Armstrong College Of Savannah 1956-1957

Armstrong College Of Savannah

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BULLETIN OF

Armstrong College
of Savannah

Savannah, Georgia

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For Reference

Not to be taken from this room

1956 - 1957

SUMMER

FALL

WINTER

SPRING

BULLETIN OF
Armstrong College
of Savannah

A City Supported Junior College
SAVANNAH, GEORGIA



18347

Membership In

American Association of Junior College
Southern Association of Colleges and Secondary Schools
Association of Georgia Colleges
Georgia Association of Junior Colleges

VOLUME XXI

NUMBER I

ARMSTRONG COLLEGE
LIBRARY

CALENDAR FOR 1956-1957

Summer Session

Evening College 1956

FIRST TERM

Registration	Monday, June 18
Classes begin	Tuesday, June 19
Last day to register for credit	Friday, June 22
Holiday	Wednesday, July 4
Mid-term reports due	Friday, July 6
Examinations	Thursday, July 26

Second Term

Registration	Monday, July 30
Classes begin	Tuesday, July 31
Last day to register for credit	Friday, August 3
Mid-term reports due	Friday, August 17
Examinations	Friday, September 7

FALL QUARTER

Freshman testing and sophomore counseling	Monday, September 17
Freshman orientation and registration	Tuesday thru Friday, September 18-21
Registration	Monday, September 24
Classes begin	Tuesday, September 25
Last day to register for credit	Friday, September 28
Mid-term reports due	Friday, October 26
Pre-registration for winter quarter	Monday thru Wednesday, November 19-21
Thanksgiving holidays	Thursday thru Sunday, November 22-25
Examinations	Monday thru Wednesday, December 10-12
Homecoming	
Basketball game	Saturday, December 15
Reception and dance	Friday, December 21
Christmas holidays	Thursday, December 13 thru Tuesday, January 1

WINTER QUARTER

Registration	Wednesday, January 2
Classes begin	Thursday, January 3
Last day to register for credit	Tuesday, January 8
Mid-term reports due	Friday, February 1
Pre-registration for spring quarter	Monday thru Wednesday, February 25-27
Examinations	Wednesday thru Friday, March 13-15
Spring holidays	Saturday thru Wednesday, March 16-20

SPRING QUARTER

Registration	Thursday, March 21
Classes begin	Friday, March 22
Last day to register for credit	Wednesday, March 27
Mid-term reports due	Friday, April 26
Pre-registration for summer and fall quarters	Monday thru Wednesday, May 13-15
Examinations	Monday thru Wednesday, June 3-5
Sophomore beach party	Friday, June 7
Graduation	Monday, June 10

Administration

The College Commission

HERSCHEL V. JENKINS	Chairman
VICTOR B. JENKINS	Vice Chairman
JACK E. CAY, JR., <i>Ex-Officio</i>	HERBERT L. KAYTON
WILLIAM A. EARLY, <i>Ex-Officio</i>	LEE MINGLEDORFF, JR., <i>Ex-Officio</i>
H. LEE FULTON, JR., <i>Ex-Officio</i>	JOHN F. PIDCOCK, <i>Ex-Officio</i>
JOSEPH H. HARRISON	DR., HELEN SHARPLEY
FRED WESSELS, JR.	

Administrative Staff and Faculty

FOREMAN M. HAWES, A.B., M.S.	<i>President</i>
ARTHUR M. GIGNILIAT, A.B., M.A., Ph.D.	<i>Vice-President and Director of the Evening College</i>
JULE C. ROSSITER, Associate in Arts	<i>Secretary & Treasurer</i>
M. LORRAINE ANCHORS, A.B., M.A.	<i>Registrar</i>
W. ORSON BEECHER, A.B., M.A., Emory University; M.A., University of Georgia	<i>Instructor in History</i>
JANE BLAND, Associate in Arts, Armstrong College of Savannah	<i>Clerical Assistant in the Registrar's Office</i>
**STEPHEN P. BOND, B.S. in Architecture, Georgia Institute of Technology.	<i>Instructor in Engineering Drawing</i>
MINNIE MCG. CAMPBELL, Diploma from the Banks Secretarial School	<i>Clerical Assistant in the Registrar's Office</i>
ARTHUR W. CASPER, B.S., Beloit College; M.S., University of Wisconsin; M.S., University of Georgia.	<i>Instructor in Mathematics and Physics</i>
LAMAR W. DAVIS, B.S. and M.S., University of South Carolina; Certified Public Accountant	<i>Instructor in Business Administration</i>
JOSEPHINE SIMMONS DENMARK, B.S., Georgia Teachers College; M.S. in H.E., University of Georgia	<i>Instructor in Home Economics</i>
ROSSITER C. DURFEE, A.B. and M.A., Stanford University	<i>Instructor in English and Director of the Masquers</i>

** Part Time Instructor

JOSEPH W. GREEN, A.B., Birmingham-Southern College; M.A., Vanderbilt University; Graduate Study toward a doctorate, Vanderbilt University

Instructor in English

**HUBERT HAWTHORNE, Retired Mechanical Engineer from the Central of Georgia Railway

Instructor in Engineering Drawing

ELIZABETH OGLETREE HITT, Attended Armstrong College
Clerical Assistant in the Registrar's Office

ESSIE DUNCAN JENKINS, Owensboro Business College, Kentucky
Instructor in Typing

ALBERT J. KELLEY, M.D., Visiting Lecturer

JOSEPH I. KILLORIN, A.B., St. Johns College; M.A., Columbia University
Instructor in History

MARGARET SPENCER LUBS, B.M., Converse College; A.B., University of Georgia; M.A., Columbia University
Instructor in French and English

VIRGINIA MATTSON, Dickinson College, Junior College Certificate
Assistant to the Librarian

ELMO M. MCCRAY, JR., B.S. and M.S., University of Alabama
Instructor in Biology

HELEN MEIGHEN, Taylor's Business College
Secretary to the Vice-President

**ELIZABETH KOCII MITCHELL, B.S., University of Alabama; Graduate Certificate in the Management Training Program, Radcliff-Harvard College

Instructor in Mathematics

JOHN MORRIS, B.S. in Engineering, Princeton University; M.S. in Chemical Engineering, Georgia Institute of Technology
Instructor in Chemistry

MARJORIE A. MOSLEY, Associate in Finance and Commerce, Armstrong College of Savannah
Secretary to the President

GEORGE NICHOLS, Attended Richards' Business School
Clerical Assistant in the Business Office

** Part time instructor

JACK H. PADGETT, A.B., Wofford College; M.A., University of North Carolina

Instructor in Mathematics

JAMES HARRY PERSSE, B.F.A., University of Georgia; Master of Music, Florida State University

Director of the Glee Club and Faculty Advisor for Student Publications

ELIZABETH POUND, Georgia State College for Women, State Teachers College

Director of the Student Center

JO ANNE ROUKOS, Certificate in Secretarial Course, Armstrong College of Savannah

Clerical Assistant in the Business Office

JANE THOMAS ROWLAND, A.B., Bessie Tift College; M.S., Emory University

Instructor in Biology

RAY ROWLAND, A.B., Mercer University; Master of Librarianship, Emory University

Librarian

ROY JESSE SIMS, B.S., David Lipscomb College; M.S., University of Tennessee

Instructor in Physical Education for Men and Basketball Coach

ROBERT I. STROZIER, A.B. and Graduate Study, University of Georgia

Instructor in English

DOROTHY THOMPSON, A.B., Monmouth College; M.A., Northwestern University; Certificate of Psychiatric Social Work, Western Reserve University

Instructor in Psychology and Sociology

*CARMEN TORRIE, B.S., Concord College; M.S., University of Tennessee

Director of Athletics and Instructor in Physical Education

DOROTHY MORRIS WADE, B.S., University of Tennessee

Instructor in Physical Education for Women

GLADYS NICHOLS ZILCH, Diploma from the Gregg School of Chicago

Instructor in Commerce

* Leave of Absence

Armstrong Evening College Instructors

- TOMMY W. ADAMS, B.S. in Business Administration, Berry College
Instructor in Commerce
- MARIAN ANDERSON, B.A., Texas State College for Women; M.A. Columbia University
Instructor in English
- WESLEY W. APPLE, B.S., Carnegie Institute of Technology
Instructor in Mathematics
- ROBERT B. BLACKMON, B.S., Clemson College
Instructor in Mathematics
- ERDMAN BOWE, A.B., Randolph-Macon Woman's College; M.A. Columbia University
Instructor in Geography
- SAMUEL A. CANN, A.B., L.L.B., University of Georgia
Instructor in Political Science
- DAVID B. COMER, B.A., Tulane University; M.A., Tulane University; Ph.D., Duke University
Instructor in English
- JAMES CHARBONNIER, A.B., B.S., Geneva College, Geneva University, Switzerland; B.D., Drew University; A.M. Yale University; Doctor of Letters, Geneva University
Instructor in French, German and History
- W. HOBART CHILDS, B.S., Wheaton College; Th.B., Th.M., Westminster Theological Seminary; S.T.M., Faith Theological Seminary
Instructor in Mathematics
- PHILLIP E. DALTON, B.A., University of Miami
Instructor in Psychology
- ORLANDO A. DIAZ, B.S., Phillips University; M.A., Phillips University
Instructor in Spanish
- JOHN J. DUNN, B.A., Harvard University
Instructor in English

MICHAEL J. GANNAM, B.A., University of Georgia; M.A., University of North Carolina; LL.B., University of Georgia
Instructor in Political Science

WALTER J. GANS, B.S. in B.A., University of Richmond; M.B.A., Harvard Graduate School.
Instructor in Economics

CLARE B. GRAY, B.A., Florida State University
Instructor in English

FLORENCE F. GOODRICH, A.B., Hillsdale College; M.S.P.H., University of Michigan
Instructor in Health and Sociology

ROBERT G. HATTWICK, B.A., Ohio State University; M.B.A., Ohio State University; Ph.D., Florida State University
Instructor in Psychology

JULIA F. HERING, B.S., Florida State University; M.A., Florida State University
Instructor in History

JOE GARLAND HIGGS, B.S.C.E., University of Tennessee; M.S.C.E., Purdue University
Instructor in Mathematics

ROSA B. HOPSON A.B., Middlebury College; M.A., University of Georgia; Certificate from Sorbonne University
Instructor in French and English

WENDELL M. HOUSTON, B.C.E., Clemson College
Instructor in Mathematics

C. ALLAN INGLESBY, A.B., University of North Carolina; M.A., Emory University
Instructor in History

WARREN RAY JONES, B.C.E., Georgia Institute of Technology
Instructor in Engineering Drawing

MARY HOWARD LEBEY, A.B., Winthrop College; M.S.S.W., University of North Carolina
Instructor in Sociology

HACK L. LUCKY, B.S., Georgia Institute of Technology
Instructor in Mathematics

EDNA LUKE, B.S. in Education, University of Georgia; M.A. in Education, University of Georgia
Instructor in Music

ALBERT R. MARKS, JR., B.S., University of North Carolina; Certified Public Accountant
Instructor in Business Administration

JOHN FLEETWOOD MOORE, Savannah Traffic Bureau
Instructor in Transportation and Traffic Management

JOSEPH C. MULLER, B.B.A., University of Georgia
Instructor in Business Administration

CHRISTOPHER B. MURPHY, Student Beaux Arts Institute and The Art Students' League, New York
Instructor in Drawing and Painting

MARGARET A. MURPHY, A.B., University of Georgia; Advanced Study, Columbia University
Instructor in Ceramics

DON MARTIN, A.B., Manchester College; M. Sc. in Chemistry, Ohio State University
Instructor in Chemistry

LAURA PARKER, B.S. in Education, Georgia Teachers College; M.A. in Education, University of Georgia
Instructor in English

ROBERT A. PORTER, A.B., Duke University; M.S.S.W., School of Social Work, Richmond Professional Institute of the College of William and Mary
Instructor in Psychology

ALAN JAMES ROBERTSON, B.S., University of Missouri; M.A., University of Missouri
Instructor in Business Administration

WILLIAM ROKOFF, B.S., New York University; Graduate Work, The College of the City of New York
Instructor in Business Administration

EARNEST SIEGEL, B.A., Northeastern University; M.S. in S.S., Boston University

Instructor in Psychology

MARY E. SUTTON, B.A., University of Georgia
Instructor in Economics

LOUIS A. THOMPSON, M.B.A., LL.B., University of Georgia; Certified Public Accountant
Instructor in Business Administration

ARDELLE WALDHOUR, A.B. in Journalism; Graduate Work in English, University of Georgia
Instructor in English

JOSEPH ZELNIGHER, A.B., D.D.S., New York University
Instructor in Physical Science



ARMSTRONG
JUNIOR
COLLEGE

General Information

History and Organization

Armstrong College of Savannah was founded on May 27, 1935, by the Mayor and Aldermen of the City of Savannah to meet a long-felt need for a junior college. The first college building was the magnificent home of the late George F. Armstrong, a gift to the city: from his widow and his daughter. The former home, now called the Armstrong Building, is an imposing structure of Italian Renaissance architecture; inside, its spacious rooms and marble halls lend an air of dignity; while outside it is one of the beautiful college buildings in the South.

Over the years, through private donation and public appropriation, the campus has been enlarged until now it includes four additional buildings: the Lane Building, a gift of the late Mills B. Lane, prominent banker; John W. Hunt Memorial Building in which are located the Student Center, the Home Economics Program, the Women's Lounge, the Dancing Studio, and the Music Room; Herschel V. Jenkins Hall, which contains the auditorium and theater for the Armstrong College Masquers, and class rooms; and Thomas Gamble Hall, site of science lecture rooms and laboratories.

Three of the buildings face forty-acre Forsyth Park, the most beautiful park in the city; the other two face Monterey Square, one of the carefully planned squares for which Savannah is famous.

Hodgson Hall, across from Forsyth Park on Whitaker Street, contains the college library as well as the Library of the Georgia Historical Society, to which Armstrong students have access.

The college is under the control of a commission of six members, appointed by the Mayor. In addition, the commission includes as ex-officio members the Mayor, the Chairman of the Chatham County Board of Education, the Chairman of the County Commissioners, the Superintendent of the Board of Education, and the President of the Savannah Chamber of Commerce.

Except for the war years, enrollment has shown a steady increase. At present the total number of students in the day and evening programs is approximately one thousand.

Aims

The college seeks to serve the community by giving the men and women who attend its classes a better understanding of the world in which they live and the experience of adapting knowledge to meet the obligations and responsibilities of citizenship.

The student may complete one or more of the following specific objectives.

1. Complete the freshman and sophomore years of the four-year senior college program leading to the baccalaureate degree;
2. Finish two years of pre-professional work leading toward medicine, dentistry, law, home economics, the ministry and other professions;
3. Graduate from a semi-professional program, prepared to go into business or industry;
4. Complete two years of an engineering program which is transferable for credit to colleges of engineering.

The college awards the degree of Associate in Arts to students completing an approved program.

Admission to the College

A student planning to enter Armstrong will obtain from the Registrar an "Application for Admission Form." The student will complete and return this form to the Registrar's office. *Request the High School Principal, or the College Registrar (in the case of a transfer student), to send a transcript of credits to the Registrar's Office, Armstrong College of Savannah, Savannah, Georgia.*

Having checked the student's records for compliance with the minimum requirements for admission, the Registrar's office will send a notice to the student that he has been admitted to the college, together with certain physical examination forms which must be completed and returned before the student can complete registration. The applicant will be notified of the dates of the freshman placement examinations. These tests do not affect a student's entering Armstrong, but will enable the faculty advisers to assist him in selecting a program of study upon entrance. *Students are required to take these tests before registration is completed.*

Requirements For Admission

There are two methods of admission to Armstrong College: either by certificate or by examination.

By Certificate

1. A candidate for admission to Armstrong College of Savannah by certificate must be a graduate of an accredited high school with at least fifteen units of credit.

2. No subject-matter units are prescribed. The high school program should be of such nature as to give satisfactory preparation for beginning college studies. Subjects which may be expected to contribute to this end are English composition, literature, natural science, history and other social studies, foreign languages, and mathematics. The right is reserved to reject any applicant whose high school program does not indicate adequate preparation for college work.

3. A record of high school credits earned by the applicant should be made out on the proper forms by an official of the high school and mailed directly to the Office of the Registrar. This certificate becomes the property of the college and cannot be returned to the applicant.

4. Two units in high school algebra and one in plane geometry are pre-requisites for admission to the freshman class in engineering.

By Examination

Students beyond high school age, who do not meet the above requirements for admission by certificate, may take the General Educational Development tests (high school level). The student will be admitted to college on the basis of his scores. These tests should be completed at least one week before registration. Additional information may be secured from the Registrar's office.

By Transfer

Credit will be allowed for work done in other institutions of proper rank and standing and in certain cases for training received in the Armed Services. Credit from other institutions will be accepted toward graduation to the extent that the student has a general average of "C" for all college work transferred. To receive a degree from Armstrong College of Savannah, a student must be in attendance taking a normal study load for two quarters earning a "C" average and, in addition, must satisfy the requirements of a particular course of study. Adults (students over 21 years of age) may receive credit for certain college work on the basis of the General Educational Development tests (college level).

Admission of Veterans

Armstrong College of Savannah will accept veterans who are not high school graduates if their official General Educational Development tests show scores that indicate the applicant's ability to do college work. A Certificate of Eligibility and Entitlement (VA Form No. 7-1993) is required of every veteran who attends this institution under Public Law 550 (Korean Bill), application for which may be completed at

the Veterans Administration office in the Industrial Building, Savannah, Georgia. Immediately upon receipt of certificate from the Veterans Administration, the student should contact the Armstrong College Veterans Office regarding processing of certificate and future monthly reports. All veterans attending Armstrong under Public Law 550 should be prepared to pay tuition and fees at time of registration.

Admission of Special Students

Adults who are interested in enrolling in courses for their intrinsic value but who do not wish college credit may be enrolled as special students. Requirements pertaining to entrance examinations, physical examinations, and physical education do not apply to these students.

Transient Students

A student regularly enrolled in another college may register at Armstrong as a transient student with the permission of his dean or adviser. This permission should be obtained in writing prior to registration. For such a student, entrance requirements are waived.

Fees

Tuition will be charged as follows for Armstrong College Courses:

For 11-17 quarter hours—\$55.00

For each quarter hour *less than* 11 quarter hours—\$5.00

For each quarter hour in excess of 17 quarter hours—\$5.00

All Applied Music courses will be \$45.00 per course.

Students will be allowed registration day and the day after in which to complete registration. After these two days, a late registration fee of \$3.00 will be charged on the first day, \$4.00 on the second day and \$5.00 on the third day.

An activity fee of \$5.00 each quarter will be charged all day students who are registered for 10 quarter hours or more. This fee is not charged Evening College students unless they wish to participate in the regular activity program of the college.

Anyone wishing to audit a non-laboratory course (but not receive college credit) may do so with permission of the instructor by paying a fee of \$10.00 per course.

The tuition for University of Georgia Extension courses is \$5.60 per quarter hour. A registration fee of \$1.00 per student per quarter will be charged for University of Georgia Extension courses.

Fees for University of Georgia Extension courses are \$5.00 per quarter hour, or \$25.00 for each five hour course plus a registration fee of \$1.00 per student per quarter. Under the University arrangement with Armstrong College, the College charges a service fee of sixty cents per quarter hour which is paid by the student at the time of registration.

A graduation fee of \$7.50 will be collected from each candidate for graduation.

Any student delinquent in the payment of any fee due the college will have grade reports and transcripts of records held up, and will not be allowed to re-register at the college for a new quarter until the delinquency has been removed.

Each student leaving Armstrong College is entitled to one official transcript of his college work. The charge for additional copies is \$1.00 each.

Students taking laboratory work will be required to pay a fee for materials and equipment. This fee is indicated in the description of courses found under "Course Descriptions" elsewhere in this bulletin.

For cause a student may arrange with an instructor to make up an announced quiz or final examination. The *arrangements* to make up the announced test must be made within one week after the student returns to college.

A fee of \$2.00 is charged for the making up of any announced quiz and a fee of \$5.00 for a make-up final examination, and laboratory examinations, except as shown below. The total charges to any one student for a final make-up examination and/or final laboratory examination in a given subject shall not exceed \$5.00. All fees will be paid to the Business Office.

The conditions under which fees for make-up quizzes and final examinations will *not* be charged are as follows:

- The student was absent
- (1) on official school business.
 - (2) due to illness.
 - (3) because of a death in the family.
 - (4) in observing religious holidays.

The student's reasons for claiming exemption from paying the fee must be presented to the instructor in writing.

Refunds of fees and tuition will be made *only* upon written application for withdrawal from school. No refunds will be made to students dropping a course. The schedule of refunds is given below:

WITHDRAWAL SCHEDULE

	Withdrawal Dates	Amount due to college
First Session	June 18, 19, 20	20% of gross registration fees
Summer Quarter, 1956	June 21, 22	40% of gross registration fees
	June 25, 26, 27	60% of gross registration fees
	June 28, 29	80% of gross registration fees
Second Session	July 30, 31, Aug. 1	20% of gross registration fees
Summer Quarter, 1956	August 2, 3	40% of gross registration fees
	August 6, 7, 8	60% of gross registration fees
	August 9, 10	80% of gross registration fees
Fall Quarter, 1956	Sept. 24, 25, 26, 27, 28	20% of gross registration fees
	Oct. 1, 2, 3, 4, 5	40% of gross registration fees
	Oct. 8, 9, 10, 11, 12	60% of gross registration fees
	Oct. 15, 16, 17, 18, 19	80% of gross registration fees
Winter Quarter, 1957	Jan. 2, 3, 4, 7, 8	20% of gross registration fees
	Jan. 9, 10, 11, 14, 15	40% of gross registration fees
	Jan. 16, 17, 18, 21, 22	60% of gross registration fees
	Jan. 23, 24, 25, 28, 29	80% of gross registration fees
Spring Quarter, 1957	March 21, 22, 25, 26, 27	20% of gross registration fees
	March 28, 29, Apr. 1, 2, 3	40% of gross registration fees
	April 4, 5, 8, 9, 10	60% of gross registration fees
	April 11, 12, 15, 16, 17	80% of gross registration fees

Orientation and Advisement

The counseling and advisement service of Armstrong College of Savannah offers help in solving problems connected with the student's college program.

Students are urged to request help from their instructors when the difficulty is one concerned with the subject itself and having no complications. The areas with which the adviser is usually concerned are choice of vocation, the planning of work in college, study habits generally and personal adjustment to college life. Those problems which do not fit into these general categories either because of greater intensity or critical developments are referable to community agencies outside the college if this is agreeable to the student and his parents or guardians.

The academic advisement of students is distributed among the entire faculty so that each instructor carries the responsibility for a proportionate number of the entire student body registered in the day program. Advisement interviews are scheduled with each student at least once a quarter and appointments for these interviews are mailed from the office of the Registrar. These interviews are designed to aid the student in planning his program of work in college.

Library

The college library of Armstrong College is housed in Hodgson Hall on the corner of Whitaker and West Gaston Streets. All the

materials are readily available to the students since all books are on open shelves. On the main floor is the reference room which contains reference books, non-fiction books, reserve desk and circulation desk. Downstairs is another reading room, containing fiction, biography, books in foreign languages, current and bound volumes of periodicals. The workroom and office of the Librarian are also downstairs.

At the present time the library has more than 14,000 volumes and a collection of pamphlets on subjects of current interest. More than one hundred periodicals are received, including four newspapers. Besides the books, periodicals and pamphlets, the library has a collection of recordings and a phonograph located in the downstairs reading room for the use of the students, faculty and staff.

In addition to the resources of the college library the students have free access to the holdings of the Georgia Historical Society, also housed in Hodgson Hall. This library contains an outstanding collection of materials on Georgia and its history as well as a large collection of materials on Southern history. The holdings of the Historical Society consist of more than ten thousand books, eighty periodical subscriptions, an extensive manuscript collection, and one of the more complete files of Savannah newspapers, dating back to 1763.

ARMSTRONG EVENING COLLEGE

Fully accredited college classes are offered after 6:00 p.m., Monday through Friday. Classes meet one, two or three evenings a week according to the amount of credit the course carries.

Students not seeking degrees may enroll in courses on a non-credit basis.

It is possible to enroll for classes taught on Monday, Wednesday and Friday at 6:00, 7:30 or 9:00 p.m. Students employed during the day are urged to limit their enrollment to one or two courses. Eighteen five-hour courses, or the equivalent, are required for graduation. Students should complete programs of study required of candidates for graduation listed elsewhere in this *Bulletin* under "Curriculums."

The dates for refunds in the case of withdrawal listed elsewhere in this *Bulletin* are applicable. When a student is enrolled in more than one course, no refund is allowed for dropping a single course. Refunds are made only in case of withdrawal from the college.

The cost of tuition, etc., is covered under "Fees". Student activity fees are not assessed evening college students, unless they wish to participate in the regular activity program of the college.

Armstrong Evening College, as successor of the Savannah Branch of the University of Georgia Off-Campus Center, began operation in

June 1951. Veterans are now attending under Public Laws 550 and 894 (Korean Veterans).

Qualified Armed Service personnel, currently on active duty, are attending with their tuition partially defrayed by the services. This is arranged through the unit education officer of the service affected.

Quarterly announcements of Evening College courses, instructors, etc., may be obtained by addressing requests to the Director, Armstrong Evening College, 447 Bull Street, Savannah, Georgia.

Senior College Courses

Through the Extension Division of the University of Georgia, Armstrong Evening College offers upper-division courses which can be taken for credit, satisfying junior and senior requirements for the bachelor's degree. A minimum of one year of residence at the University is required to receive the bachelor's degree. The equivalent of one year of senior college work, however, may be completed through extension classes in residence at Armstrong College for certain degree programs.

Instructors in the extension classes are approved by the heads of the departments at the University of Georgia. These courses then carry University credit and are recorded in the Registrar's office at the University of Georgia. They are University of Georgia courses taught in Armstrong Evening College. (See photostat). The section under "Fees" explains special charges for University of Georgia Extension courses.

In the past, the courses offered have been the core curriculum for the junior year leading toward the Bachelor of Business Administration degree; also, income tax accounting, a second course in business law, personnel administration and other advanced courses in economics and business administration as requested.

Junior and senior courses leading to the Bachelor of Arts degree are offered in English, literature, history, psychology and sociology. Other courses will be added if sufficient student requests warrant.

Courses required to qualify for State Department Teacher's Certificates are sometimes offered as extension classes. Students are limited to 90 quarter hours of residence credit at the junior college level. Another 45 quarter hours of credit may be obtained through senior college extension classes.

Transcripts of credit granted for University of Georgia Extension courses must be obtained from the office of the Registrar, University of Georgia, Athens, Georgia—not from *Armstrong College*. In requesting such transcripts, the student should indicate that the courses were taken at Armstrong College of Savannah through the Extension Division of the University of Georgia.

THE UNIVERSITY OF GEORGIA
OFFICE OF THE REGISTRAR
ATHENS, GEORGIA

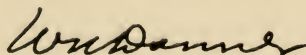
April 28, 1954

TO WHOM IT MAY CONCERN:

This is to advise that any student may use up to a maximum of 45 quarter hours credit completed through correspondence and extension courses toward a degree at the University of Georgia. This may be taken over and above the first two years of work whether these be completed at a junior college or a senior college.

Specifically, we will recognize without question up to 45 quarter hours credit completed in extension courses offered in a joint program sponsored by Armstrong College of Savannah and the Division of General Extension at the University of Georgia.

Cordially,



Walter N. Danner
Registrar

WND:cc

Audio Visual Instruction

Certain classrooms of the college are equipped with screens for the showing of films. In the teaching of English, public speaking, foreign languages and music, visual aids are supplemented by recordings.

Student Assistants

The college employs a number of student assistants each year. These students work in the library, science laboratories, business offices and with the faculty. Those who desire such employment should apply to the staff member who is in charge of the work in which he is interested or to the President of the college.

Scholarships

The scholarships which are available to students are listed below. Application blanks may be secured from the President's office in the Armstrong College. Those who wish to apply for scholarships for the

school year beginning in September should file an application in the Presidents office not later than July 15. All applicants are required to appear before an oral interview board during the month of August. Each applicant will be notified when to appear for this interview.

Commission — 7 for \$100.00 each. (Both men and women eligible).

These are work scholarships. Students who hold these spend a few hours each week as assistants in the library, laboratories or in the administrative offices. In some instances it is possible for a student to earn more than \$100.00 a year.

Arthur Lucas Memorial — 5 for \$100.00 each. (Both men and women eligible).

Junior Chamber of Commerce — 2 for \$100.00 each (Both men and women eligible). One is for a sophomore and one is for a freshman.

Edward McQuire Gordon Memorial — 1 for \$200.00 (Men only are eligible).

Savannah Gas Company Engineering — 1 for \$100.00. (Men only are eligible).

Savannah Gas Company Home Economics — 2 for \$100.00 each (Women only are eligible).

Thomas Mayhew Cunningham Memorial — 1 for \$200.00 (Both men and women are eligible).

Placement Service

The college maintains a placement service for the benefit of employers and students. Anyone seeking part-time employment while in college, or full-time employment after leaving college, should place his name on file with the Business Office.

Commencement Exercises

Commencement exercises are held each year in June. At this time the degree of Associate in Arts is awarded to those students who have met the requirements for graduation, and recognition is given to those who qualify for scholastic honors. The faculty and graduates participate in full academic dress.

Student Center

The college does not operate a boarding department. The Student Center in the Hunt Building is open throughout the day and provides light lunches at reasonable prices. The Center also provides recreational facilities and houses the book store.

Student Activities

The entire program of student activities at the college is designed to contribute to the development of the whole individual and to assist him in becoming an active and helpful member of the community. The college feels that students should take the responsibility for direct-

ing their own affairs. The Senate is the governing student board of Armstrong College. This organization is made up of elected representatives of all student groups. It is the function of the Senate to coordinate, direct and control student organizations and activities at Armstrong.

Athletics

Basketball is the only sport in which the college fields an inter-collegiate team. All other sports at the college are on an intramural basis. Intramural competition is offered in such sports as basketball, volleyball, swimming, football, tennis, softball and ping-pong. All are encouraged to take part in this program.

Physical Education Program

All regular day students, except veterans, are required to participate in a physical education program. Courses are offered each quarter except during the summer. These are listed elsewhere in the catalog under "Course Descriptions."

Publications

The students publish the *Inkwell*, a newspaper, and the *'Geechee*, a yearbook. These afford students an opportunity to express their opinions on a wide variety of topics, to do creative writing and gain practice in other journalistic activities.

The Armstrong College Masquers

The Armstrong College Masquers, with a charter membership of over seventy students, was organized in the Fall of 1950, after the Savannah Playhouse separated from Armstrong College and was re-organized as the Little Theatre, Inc.

The Masquer organization's goal is to furnish enjoyment and appreciation of the drama for both participants and spectators through a balanced presentation of popular and classic theatre.

Masquer membership is open to all students interested in any phase of the theatre: acting, designing, lighting, make-up, costuming, and other production skills.

An affiliate of the Masquers is the Armstrong Radio and Television Workshop, formed to offer interested students an opportunity to develop techniques of radio and television broadcasting.

Glee Club

The Armstrong Glee Club was organized in September 1949. Its members are drawn from the student body and faculty. Besides giving two complete concerts at the college, one at Christmas and one in the spring, the group has sung for many civic groups in Savannah. The Glee Club has also produced musicals with the Armstrong Masquers.

General Regulations

Advisement and Placement Tests

To help a student select a definite objective early in his college program, the Armstrong staff administers to each entering freshman a series of interest, aptitude, and achievement tests. In the fall, these are given during Freshman Week and are scored prior to the student's interview with an adviser. On the basis of these objective measurements, the student's previous record, his interest and his family counsel, the student with the aid of his adviser decides on a program of study which will enable him to accomplish his purpose.

Physical Examinations

Each day student must submit a completed physical examination report on the forms furnished by the college before he can complete his registration. A chest X-ray is also required. On the basis of the examination, the physical education director will adapt a program of training and recreation to individual requirements. This regulation is not applicable to students enrolled in the Evening College.

Course Load

The unit of work for a regular student is 16-17 quarter hours per quarter. A normal schedule of sixteen quarter hours presupposes that the average student will devote approximately forth-eight hours per week to his college classes and to his preparation therefor.

Except in engineering, permission to enroll for more than 17 quarter hours will be granted only to students who have a "B" average for the preceding quarter. The quarter just prior to graduation, a student may take an extra course which is necessary to meet requirements for graduation. No student will be allowed to register for more than 21 hours in any one quarter.

No student will be allowed to take more than 11 quarter hours of work in the Evening College during the fall, winter or spring quarters unless he has better than a "B" average in the last quarter for which grades are available. A student will be limited to 6 quarter hours during any one term of the summer unless he has better than a "B" average in the last quarter of work for which grade are available. All entering students are limited to 11 quarter hours of work in the fall, winter and spring quarters; and to 6 quarter hours of work during any one term of the summer session. Exception may be made in the case of entering students who are not employed.

Admission to Class

Students will be admitted to class when the instructor is furnished an official class card indicating that he has completed his registration and paid his fees in the Business Office.

Conduct

Compliance with the regulations of the faculty and the Armstrong College Commission is assumed. Gambling, hazing, and the use on the campus of intoxicating beverages are prohibited.

Reports and Grades

It is felt by the administration and faculty that students in college should be held accountable for their scholarship. Accordingly, report cards, warnings of deficient scholarship and all such notices are not sent out to parents or guardians by the Registrar except on request. Instead the students themselves receive these reports and are expected to contact their advisers whenever their work is unsatisfactory. Report cards are issued at the end of each quarter. Reports of failing grades are issued in the middle of each quarter. Each student has access to an adviser; in addition, the Registrar and all instructors are available to help any student seeking assistance.

Reports are based on the following system of grading:

A plus	Exceptional	4 honor points per quarter hour
A	Excellent	3 honor points per quarter hour
B	Good	2 honor points per quarter hour
C	Fair	1 honor point per quarter hour
D	Poor	No honor points per quarter hour
E	Incomplete	Incomplete must be removed before mid term of the following quarter
F	Failure	Course must be repeated
W	Withdrew	Course must be repeated
W/F	Withdrew Failing	Course must be repeated

A student who receives an "E" (incomplete grade) should consult his instructor at once and arrange to complete the requirements of the course. An "E" grade which has not been removed by the middle of the succeeding quarter automatically becomes an "F". An "E" grade becomes an "F" if the course is repeated.

A student who receives an "E" grade in the Evening College will have one year in which to complete the requirements of the course. If the "E" grade is not removed within this time, it automatically becomes an "F". An "E" grade becomes an "F" if the course is repeated.

Honors

Students who have been in attendance for three consecutive quarters taking a normal load and achieving an average grade of "B" or

better with no grade below that of "C" will be placed on the Permanent Dean's List. This list is published each June in the commencement program.

Graduates who meet the requirements for the Permanent Dean's List and who are graduating with an average of three honor points per quarter hour, will be designated as graduating summa cum laude (with highest distinction). The designation cum laude (with distinction) will be bestowed upon those meeting the above requirements with an average of two honor points per quarter hour.

A valedictorian will be selected by the graduating class from the five students with the highest scholastic averages in the work completed before the term in which the students graduate.

Students taking a normal load who make a grade of "B" or better in each course during any quarter will be placed on the Dean's Scholastic Attainment List.

Students in the Evening College enrolled for ten or more hours, who earn 15 consecutive quarter hours of credit with grades of "B" or better in each course will be placed on the Dean's Scholastic Attainment List.

Attendance

Students are expected to attend classes as scheduled. Any absence, whatsoever, from class work entails a loss to the student.

A day student who has been absent from class for a valid reason should have the absence excused with a written statement to his instructor who will initial it. The student will then file this form in the Registrar's office. Excuses must be submitted within seven days from the date the student returns to school; otherwise the absence will not be excused. Evening College students must leave excuses for absence in the Evening College office on a special form provided for that purpose.

An Evening College student whose absences for any cause exceed one third of the number of times the class meets in the quarter will be dropped from the class. The student will be given a "W" if at the time he was dropped he had a passing grade; if at the time he was dropped he was failing, he will be given a "WF."

The above regulation is waived only in those cases in which the instructor and the registrar concur.

A student who has unexcused absences equal in number to the times the class meets in one week, and has one additional unexcused absence, will be dropped from class. The instructors will notify the Registrar's office when a student should be dropped. The Registrar's office will notify the student. Grades assigned to those who have been dropped

will be either W or W/F. A student who is dropped within three weeks after the beginning of the quarter will automatically receive a grade of W. A student who is dropped after the 3rd week of the quarter will receive either a W or a W/F depending upon his status at time the student withdraws or is dropped from class.

Students will be charged with absences incurred by late registration in the college as indicated in the current bulletin and these absences carry the same penalty as the other absences from a course.

Attendance at bi-weekly assemblies is required.

Withdrawals

A formal withdrawal, presented to the Registrar in writing, is a pre-requisite for honorable dismissal from, or re-entrance into, this institution. Any student planning to withdraw should immediately make such intentions known to the administration of the college in writing. This notice is required to receive any authorized refunds.

A student should formally withdraw from any class which he discontinues by securing the written approval of the instructor and his faculty advisor. This written approval should be filed in the Registrar's office. Grades assigned to those who withdraw will be either W or W/F. A student who withdraws within three weeks after the beginning of the quarter will automatically receive a grade of W. A student who withdraws after the 3rd week of the quarter will receive either a W or W/F depending upon his status at the time the student withdraws or is dropped from class.

Dismissal

Any day student failing (except in cases excused before examinations on account of illness) to pass at least one course other than physical education in any one quarter will be dropped from the rolls of the college. Any student who fails to make an average of at least 0.6 honor points per quarter hour in all work scheduled during the first three quarters work at the college will not be allowed to re-register. Withdrawal is recommended to all students who have less than a "C" average at the end of the fourth quarter. At the end of the sixth quarter's work a student must have a 0.8 honor point per quarter hour average in order to re-register.

Any student in the evening program seeking credit who fails (except when excused before final examination on account of illness) to pass at least one course in two consecutive quarters will be dropped from the rolls of the college. Any student in the evening program who fails to make an average of at least 0.6 honor points per quarter hour in the first 50 quarter hours of work at the college will not be allowed to

re-register. Withdrawal is recommended to all students who have less than a "C" average at the end of 70 quarter hours of work. At the end of 90 quarter hours of work, a student must have an average of 0.8 honor points per quarter hour in order to re-register.

Students who have been asked to withdraw on account of academic deficiency will be re-admitted to Armstrong if the student goes to another college for one quarter and maintains a "C" average. If a student does not go to another college he may re-register at Armstrong after two quarters. He re-enters on probation for one quarter, during which quarter he must make a "C" average.

Requirements for Graduation

The requirements for graduation from Armstrong College of Savannah are listed below:

1. The student will complete a program of study listed elsewhere in the catalog under "Curriculums" with an average grade of "C." Any exceptions to a program may be referred by a student's advisor to the Committee on Academic Standing.
2. One-third of the work required for graduation will be completed at Armstrong College of Savannah.
3. Not more than one-fourth of the total work required for graduation will consist of correspondence courses and credit for training in the Armed Services.

Candidates for graduation will make application in the Registrar's office two quarters prior to the expected date of graduation.

Recommendations

The recommendations issued by the college are based on the grades the student earns, his student activity record, and the opinions expressed by his instructors on a special student rating form.

The files of the Registrar's office which include all permanent records are consulted regularly by representatives of the Federal Bureau of Investigation, the Civil Service, the local Credit Bureau and other agencies having access to confidential records. A good college record is of vital importance to a student.

Curriculums

General

Before registration, the student should **PLAN A PROGRAM OF STUDY WITH AN ADVISER**. Even if a student knows what courses are required for graduation, he should have on record in the office of his adviser a copy of his program. In order for a student to make any changes in his planned program he must consult his adviser. The adviser and the Registrar will check a student's program and it will be approved two quarters prior to the expected date of graduation.

—The Associate in Arts Degree is conferred upon all students who successfully complete at Armstrong College of Savannah one of the two-year programs outlined in the catalog.

If a student plans to transfer to another institution either before or after graduation, it is essential that he determine what courses must be completed at Armstrong in order to conform with the degree requirement of the institution to which he wishes to transfer.

The Core Curriculum

There are certain bodies of knowledge and certain skills indispensable to every college trained man and woman. The understanding of one's environment and man's struggle to adapt it to useful ends, the ability to communicate his thoughts and feelings: right group-attitudes and coordinated physical activity—these objectives are set up in the following courses required of all students desiring to graduate.

Freshman year: English 14, 15 (114, 115); History 14, 15 (114, 115); ten quarter hours of natural sciences, and Physical Education 11, 12, 13. With permission of instructor, students may substitute Physical Education 14 for Physical Education 12 and Physical Education 23 for Physical Education 13. Library Science 11 is required of all students who fail to pass an entrance examination.

Sophomore year: Sophomore English and three quarters of physical education. Students enrolled in certain terminal courses described below may substitute English 28 for one of the required English courses.

Students graduating in less than the six quarters of the regular session may reduce their physical education requirements accordingly. Physical education should be taken in the proper sequence and two courses should not be scheduled in any one quarter.

SENIOR COLLEGE PREPARATORY PROGRAMS

Concentration Business Administration* First Year		Senior College Preparatory Second Year	
English 14, 15—Freshman English	10	English 21, 22—Sophomore	
History 14, 15—Western Civilization	10	English	10
Physical Education 11, 12, 13	3	Physical Education	3
Laboratory Science	10	Business Administration—24, 25—Accounting	10
Mathematics 16—College Algebra	5	Economics 21, 24—Principles and Problems	10
Library Science 11	1	Political Science 13—Govt. of U.S.	5
Mathematics 19—Finance	5	Electives	10
Electives	4		
TOTAL	48	TOTAL	48

Concentration - Engineering Senior College Preparatory

This program will satisfy degree requirements for most types of engineering. The student should obtain a catalog from the senior college he plans to attend and check this program against the requirements. The courses required for the freshman year have been worked out in consultation with the Georgia Institute of Technology.

FIRST YEAR		SECOND YEAR	
Chemistry 11, 12—General	10	English 21, 22—Sophomore	
Chemistry 13—Qualitative Analysis	5	English	10
English 14, 15—Freshman English	10	Physical Education	3
Engineering 11, 12—Drawing	6	Physics 21, 22, 23	18
Engineering 19—Descriptive Geometry	3	Mathematics 21, 22, 23—Calculus	15
Mathematics 16, 17, 20—College Algebra, Trigonometry and Analytic Geometry and Calculus	15	History 14 15	10
Physical Education 11, 12, 13	3		
Library Science 11	1		
TOTAL	53	TOTAL	56

Concentration - Forestry Senior College Preparatory

A one-year program for students in Forestry. The student should obtain a catalog from the senior college he plans to attend and check this program against the requirements.

English 14, 15—Freshman	10
Mathematics 16, 17—College Algebra, Trigonometry	10
Physics 11 or Physical Science 11	5

* A student should consult the catalog of his prospective senior college for required subjects. Colleges differ as to what subjects are required for this course.

Biology 11, 12—Botany	10
Economics 21—Principals	5
Physical Education 11, 12, 13	3
Engineering 11—Drawing	3
Political Science 13—Government of U. S.	5
TOTAL	51

Concentration - Home Economics

Senior College Preparatory

FIRST YEAR

English 14, 15—Freshman English	10
History 14, 15—History of Western Civilization	10
Physical Education 11, 12, 13	3
Home Economics 10—Orientation: Careers and Personal Development	5
Home Economics 11—Clothing	5
Art 11—Creative	5
Laboratory Science	10
Library Science 11	1

TOTAL 49

SECOND YEAR

English 21, 22—Sophomore English	10
Physical Education	3
Home Economics 12—Family Meal Planning and Serving	5
Home Economics 21—Home Planning and Decorating	5
Home Economics 24—Family Fundamentals	5
Social Studies	10
Science Electives	5
*Mathematics 9 or 16	5

TOTAL 48

Concentration -

Industrial Management

Senior College Preparatory

This program will satisfy degree requirements for the first two years of this field of engineering.

FIRST YEAR

Chemistry 11, 12—General	10
Chemistry 13—Qualitative Analysis	5
English 14, 15—Freshman	10
Engineering 11, 12—Drawing	6
Engineering 19—Descriptive Geometry	3
Mathematics 16, 17, 20—College Algebra, Trigonometry, and Analytic Geometry and Calculus	15
Physical Education 11, 12, 13	3
Library Science 11	1

TOTAL 53

SECOND YEAR

Economics 21, 24—Principles and Problems	10
English 21, 22—Sophomore English	10
Business Administration 24, 25—Principles of Accounting	10
Physics 11, 12—General Physics	12
Mathematics 19—Mathematics of Finance	5
Physical Education	3
History 14, 15—Western Civilization	10

TOTAL 60

* Note admission requirements for Mathematics 9 and Mathematics 16 as stated on pages 58 and 59.

Concentration -**Liberal Arts****Senior College Preparatory**

This program is recommended for candidates for an A.B. degree, pre-education, pre-law, pre-ministerial, journalism, and other pre-professional concentrations.

FIRST YEAR		SECOND YEAR	
English 14, 15—Freshman		English 21, 22—Sophomore	
English	10	English	10
History 14, 15—Western		Physical Education	3
Civilization	10	Two of the following courses	10
Physical Education 11, 2, 3	3	History 25—Recent European	
Laboratory Science	10	Political Science 13—Gov't of U.S.	
Mathematics 16—College		Psychology 21a—Introductory	
Algebra	5	Sociology 20a—Introductory	
Mathematics 17—Trigonometry	5	Economics 21—Principles	
*Foreign Language	10	*Science	10
Library Science	1	Electives	9
TOTAL	54	TOTAL	42

Concentration -**Mathematics****Senior College Preparatory**

A course designed for those students who wish to major in mathematics.

FIRST YEAR		SECOND YEAR	
English 14, 15—Freshman		English 21, 22—Sophomore	10
English	10	Physical Education	3
History 14, 15—Western		Physics 11, 12 or	
Civilization	10	Physics 21, 22, 23	12
Physical Education 11, 12, 13	3	Electives	22
Mathematics 16—College			
Algebra	5		
Mathematics 17—Trigonometry	5		
Mathematics 20—Analytic			
Geometry and Calculus	5		
Chemistry or Biology	10		
Library Science 11	1		
TOTAL	49	TOTAL	47

Concentration -**Medical Technology****Senior College Preparatory**

This program is designed for those students who wish to obtain their first two years toward a Bachelor of Science degree in Medical Technology. An Associate in Arts degree is awarded upon successful completion of the academic program described below:

* A student applying for admission to a senior college which does not require the amount indicated of this subject may, with the approval of his adviser, substitute other courses required by the senior institution during his first two years.

FIRST YEAR

English 14, 15—Freshman English	10
History 14, 15—History of Western Civilization	10
Physical Education 11, 12, and 13	3
Mathematics 16	5
Biology 14, 15	10
Chemistry 11, 12	10
Library Science 11	1
TOTAL	49

SECOND YEAR

English 21, 22	10
Physical Education	3
Biology 23	6
Chemistry 13	5
Physics 11, 12	12
French or German	10
Mathematics 17	5
TOTAL	51

Concentration -**Physical Education****FIRST YEAR**

English 14, 15—Freshman English	10
History 14, 15—Western Civilization	10
Physical Education 11, 12, 13	3
*Mathematics 9 or 16	5
Biology 14, 15	10
Home Economics In—Nutrition	4
Library Science 11	1
**Electives	5
TOTAL	48

Senior College Preparatory**SECOND YEAR**

English 21, 22—Sophomore English	10
Physical Education	3
Biology 18, 19—Anatomy and Physiology	10
***Physical Education 23—Senior Life Saving and Swimming	2
Physical Education 14—Officiating of Basketball	2
Psychology 21a—Introductory	5
Psychology 21b—Experimental	5
Sociology 21—Marriage & the Family	5
**Electives	6
TOTAL	48

Concentration - Physics**Senior College Preparatory**

A course designed for those students who wish to major in Physics.

FIRST YEAR

English 14, 15—Freshman English	10
History 14, 15—Western Civilization	10
Physical Education 11, 12, 13	3
Mathematics 16—College Algebra	5
Mathematics 17—Trigonometry	5
Mathematics 20—Analytic Geometry and Calculus	5
Chemistry or Biology	10
Library Science 11	1
TOTAL	49

English 21, 22—Sophomore English	10
Physical Education	3
Physics 11, 12 or Physics 21, 22, 23	12
Electives	22

TOTAL 47

* Note admission requirements for Mathematics 9 and Mathematics 16 as stated on pages 58 and 59.

** It is recommended that English 28 and Physical Education 20 be taken as elective courses.

*** The student is exempt from this course provided he has a Red Cross Senior Life Saving Certificate.

Concentration - Pre-Dental Senior College Preparatory

This program is designed for those students who wish to prepare themselves for the study of Dentistry after completing three or more years of academic studies. An Associate in Arts degree is awarded upon successful completion of the academic program described below:

FIRST YEAR		SECOND YEAR	
English 14, 15—Freshman English	10	English 21, 22	10
History 14, 15—History of Western Civilization	10	Physical Education	3
Physical Education 11, 12, 13	3	Biology 23	6
Mathematics 16	5	Chemistry 13	5
Biology 14, 15	10	Physics 11, 12	12
Chemistry 11, 12	10	French or German	10
Library Science 11	1	Mathematics 17	5
TOTAL	49	TOTAL	51

Concentration - Pre-Medical**Senior College Preparatory**

This program is designed for those students who wish to prepare themselves for the study of Medicine after completing three or more years of academic studies. An Associate in Arts is awarded upon successful completion of the academic program described below.

FIRST YEAR		SECOND YEAR	
English 14, 15	10	English 21, 22	10
History 14, 15	10	Physical Education	3
Physical Education 11, 12, 13	3	Biology 23	6
Mathematics 16	5	Chemistry 13	5
Biology 14, 15	10	Physics 11, 12	12
Chemistry 11, 12	10	French or German	10
Library Science 11	1	Mathematics 17	5
TOTAL	49	TOTAL	51

Concentration - Pre-Nursing**Senior College Preparatory**

This is a one-year program for those students who wish to obtain their freshman requirements to be transferred to a school of nursing offering a B.S. in Nursing.

English 14, 15	10
History 14, 15	10
Chemistry 11	5
Mathematics 16	5
Physical Education 11, 12, 13	3
Any three of the following:	
English 28	
Political Science 13	
Psychology 21a	
Sociology 20a	15
TOTAL	48

Concentration - Pre-Optometry

Senior College Preparatory

The requirements for admission to the schools and colleges of optometry in the United States are relatively uniform but are not identical. The practice of optometry in all states is regulated by Boards of Examiners in Optometry. The following concentration will prepare a student for transfer to any school or college of optometry in the United States and Canada.

FIRST YEAR		SECOND YEAR	
English 14, 15	10	English 21, 22	10
History 14, 15	10	Physical Education	3
Physical Education 11, 12, 13	3	Biology 23	6
Mathematics 16, 17	10	Physics 11, 12	12
Biology 14, 15	10	Mathematics 20	5
Chemistry 11, 12	10	Sociology and Psychology	10
Library Science 11	1		
TOTAL	54	TOTAL	46

Concentration - Pre-Pharmacy

Senior College Preparatory

This is a one-year concentration for those students who wish to obtain their freshman requirements for entrance to a school of pharmacy. The regional schools of pharmacy require three years minimum in residence at the School of Pharmacy.

English 14, 15	10
History 14, 15	10
Chemistry 11, 12	10
Biology 18, 19	
or	
Biology 16, 17	10
Physical Education 11, 12, 13	3
Mathematics 16	5
TOTAL	48

Concentration - Pre-Veterinary

Senior College Preparatory

This is a one-year program for those students who wish to obtain their freshman requirements to be transferred to a senior institution. Some colleges and universities require a veterinary student to begin specializing in his second year. If a student desires a well rounded foundation for the study of veterinary medicine, it is recommended that he pursue the two year pre-Medical program.

English 14, 15	10
History 14, 15	10
Chemistry 11, 12	10
Biology 14, 15	10
Physical Education 11, 12, 13	3
Mathematics 16, 17	10
TOTAL	53

Concentration - Teaching Senior College Preparatory

The subjects required in the freshman and sophomore years by colleges preparing teachers are general in nature: English, history, mathematics, a science, social studies and physical education to mention some of these. The program below enables prospective teachers to be certified by the State Department of Education as having completed two years of college and entitles the student to the Associate in Arts degree. Some of the third year requirements can be completed at Armstrong Evening College as extension classes of the University of Georgia.

FIRST YEAR		SECOND YEAR	
Education 11	5	Art 11 or Music 20	5
English 14, 15	10	English 21, 22	10
History 14, 15	10	Mathematics 9 or 16	5
Natural Science	10	Physical Education	3
Physical Ed. 11, 12, 13	3	*Electives	24
Political Science 13	5		
Psychology 21a	5		
Library Science 11	1		
TOTAL	49	TOTAL	47

TERMINAL PROGRAMS**Concentration -****Business Administration****Accounting**

FIRST YEAR		SECOND YEAR	
English 14, 15—Freshman English	10	**English 21, 22	10
History 14, 15—Western Civilization	10	Physical Education	3
Physical Education 11, 12, 13	3	Economics 21, 24—Principles and Problems	10
Science	10	Business Administration 27, 28—Business Law	10
Business Administration 24, 25, Acct.	10	***Electives	15
Library Science 11	1		
Electives	4		
TOTAL	48	TOTAL	48

THIRD YEAR

Business Administration 34—Intermediate Accounting	5
Business Administration 36, 37—Income Tax Accounting	10
Business Administration 29—Cost Accounting or Business Administration 35—Intermediate Accounting	5
Economics 30—Personnel Administration	5
Mathematics	5
Electives	15
TOTAL	45

* Students in this curriculum should secure the catalog of the senior college which they plan to attend and plan a program with an adviser.

Recommended electives for elementary teachers include health, geography economics, Georgia Problems (Social Science 4), English 28 and additional science courses.

** English 28 may be substituted for English 22.

*** Students planning to complete the three year program should substitute 10 hours in accounting for electives.

Concentration - Business Administration Terminal

Many students will not continue their formal education after leaving Armstrong. To these students the college gives the opportunity to select those subjects which have a vocational value. Sufficient general education is included in the core curriculum to make this a well-rounded program.

FIRST YEAR

English 14, 15—Freshman English	10
History 14, 15—Western Civilization	10
Physical Education 11, 12, 13	3
Natural Science	10
Economics 21, 24—Principles and Problems	10
Electives	4
Library Science 11	1

TOTAL 48

SECOND YEAR

*English 21 22—Sophomore English	10
Physical Education	3
Business Administration 24, 25	
Accounting	10
Business Administration 27—Business Law	5
Business Administration and Commerce Electives	10
Typing	
Calculator and Comptometer Shorthand	
Business Administration—34 Intermediate Acct.	
Business Administration 28—Business Law	
Electives (other)	10

TOTAL 48

Concentration - Business Administration General**Three-Year Terminal Program**

A student who cannot transfer to a senior college at the end of his second year may get a broader foundation for work as a supervisor or junior executive by completing the program below.

FIRST YEAR

English 114, 115—Freshman English	10
History 114, 115—Western Civilization	10
Natural Science	10
Economics 121, 124	10
Elective	5

45

SECOND YEAR

English 121, 122—World Literature or English 128—Public Speaking and Business Administration 115—	
Business Correspondence	10
Business Administration 124, 125—	
Elementary Accounting	10
Business Administration 127 (E-370)—Business Law	5
Business Administration and Commerce Electives	10
Free Electives	10

45

THIRD YEAR

Student will select with an adviser seven of the following subjects:

Business Administration 128 (E-371)—Business Law (2nd course)	5
Business Administration 151—Principles of Transportation	5
Business Administration 160 (E-351)—Principles of Management	5

* English 28 may be substituted for English 22.

Business Administration 161—Principles of Insurance	5
Business Administration 162 (E-390)—Real Estate Principles	5
Economics 125 (E-312)—Elementary Economic Statistics	5
Economics 127 (E-326)—Money and Banking	5
Economics 128 (E-360)—Principles of Marketing	5
Economics 129 (E-386)—Labor Economics	5
Economics 131 (E-444)—Government and Business	5
Economics 132 (E-431)—Investments	5

Concentration -

Business Administration

Transportation

Three-Year Terminal Program

As a communications center, Savannah offers many opportunities to students trained in traffic and transportation management. A committee of experts from business, industry, the railroads and truck lines, in consultation with the evening college staff, proposed the professional classes listed below.

FIRST YEAR

English 114, 115—Freshman	
English	10
History 114, 115—Western	
Civilization	10
Business Administration 151—	
Introduction to Transportation	5
Business Administration 152—	
Elementary Rates & Tariffs	5
Business Administration 153—	
Intermediate Rates & Tariffs	5
Economics 121, 124—Principles	
and Problems	10

SECOND YEAR

English 121, 122—World Literature	
or English 128—Public Speaking	
and Business Administration 115—	
Business Correspondence	10
Natural Science	10
Business Administration 154—Ad-	
vanced Rates & Tariffs	5
Business Administration 155—	
Interstate Commerce Law	5
Business Administration 156—Inter	
state Commerce Commission and	
Public Service Commission Pro-	
cedure	5
Business Administration 124, 125 —	
Elementary Accounting	10

THIRD YEAR

Students will select 5 of the subjects listed under the third year of Business Administration-General plus Business Administration 127, Business Law. Electives to complete 135 hours total credits.

Concentration - Transportation

Fifty-Hour Concentration in Transportation

Students wishing a thorough background in transportation may receive a certificate upon satisfactory completion of the program that follows:

BA 151—Introduction to Transportation	5
BA 152—Elementary Rates and Tariffs	5
BA 153—Intermediate Rates and Tariffs	5
BA 154—Advanced Rates and Tariffs	5
BA 155—Interstate Commerce Law	5
BA 156—Interstate Commerce Commission and Public	
Service Commission Procedure	5

Economics 121 and 124—Principles and Problems	10
English 114 and 115—Freshman English or English 128—Public Speaking and BA 115—Business Correspondence	10
TOTAL	50

Concentration - Business Administration

A one year program in Business Administration for those persons who may not wish to complete the two year concentration, with emphasis on business courses. A certificate will be awarded to those who successfully complete the program.

Business Administration 24, 25, 34	15
Economics 21, 24	10
Business Administration 27	5
English	5
Mathematics	5
Physical Education	3
Elective	5

Concentration - Commerce Secretarial Terminal

This program is designed to meet the needs of those students who wish to qualify for clerical positions in business.

FIRST YEAR		SECOND YEAR	
English 14, 15—Freshman English	10	Business Administration 24—Accounting	5
History 14, 15—Western Civilization	10	*English 21, 22	10
Physical Education 11, 12, 13	3	Commerce 17—Office Practice	5
Natural Science	10	Commerce 21 a-b-c—Typing	6
Commerce 11 a-b-c—Typing	6	Commerce 22 a-b-c—Shorthand	15
Commerce 12 a-b-c—Shorthand	15	Physical Education	3
Library Science 11	1		
TOTAL	55	TOTAL	44

Concentration - Home Economics Terminal

This course is designed to meet the needs of those women who plan to complete their college work at Armstrong. Sufficient electives are allowed to enable the student to select commerce subjects which have a vocational value or cultural subjects for worthy use of leisure time.

FIRST YEAR		SECOND YEAR	
English 14, 15—Freshman English	10	English 21, 22—Sophomore English	10
History 14, 15—Western Civilization	10	Physical Education	3
Physical Education	3	Home Economics 21—Home Planning and Decorating	5
Natural Science (Human Biology included)	10	Home Economics 24—Family Fundamentals	5
Home Economics 10—Orientation: Personal Development	5	Home Economics 12—Family Meal Planning and Serving	5
Home Economics 11—Clothing	5	Electives	19
Psychology 21—Introductory	5		
Library Science 11	1		
TOTAL	49	TOTAL	47

* English 28 may be substituted for English 22.

Concentration - Human Relations***Terminal**

The Terminal Program sequence in Human Relations is designed to start with the student's immediate interests in learning, methods of study and aptitude measurement. The next course on principles and facts about the individual's growth, needs, feelings and learning about the world around him is followed by a practical application through experiments or by interning in selected community programs where individual development and adjustment may be directly observed. This leads to a study of a person's relationship to his social groups, a study of marriage and family adjustment, principles and facts about the way that our society is organized and finally a practical study through local organizations of needs and resources for human adjustment in our community. A student who completes this sequence should have a basic understanding of himself and others that will improve his effectiveness in his family, his work (whether in the home or employed elsewhere), his social relationships and his responsible participation in community living.

FIRST YEAR		SECOND YEAR	
English 14, 15—Freshman English	10	English 21, 22—Sophomore English	10
History 14, 15—Western Civilization	10	Biology 14, 15—General Zoology	
Physical Education 11, 12, 13	3	or	
**Mathematics 9 or 16	5	Biology 16, 17—Human Biology	10
Political Science 13	5	Physical Education	3
Psychology 20—Applied Psychology	5	Sociology 21—Marriage and	
Psychology 21a—Introductory		Family	5
Psychology	5	Psychology 22—Social Psychology	5
Psychology 21b—Experimental		Sociology 20a—Introductory	
Psychology	5	Sociology	5
Library Science 11	1	Sociology 20b—Social Problems	5
		Elective	4
TOTAL	49	TOTAL	47

Concentration - Liberal Arts**Terminal**

A student in the Liberal Arts, Terminal program may select the remainder of his electives from courses offered by the college in order to prepare for a vocation or to pursue a special interest.

* Students in other concentrations may elect any Psychology or Sociology course in this program without adhering to the above sequence. Prerequisites are necessary in Psychology 21b and Sociology 20b only.

** Note admission requirements for Mathematics 9 and Mathematics 16 as stated on pages 58 and 59.

FIRST YEAR		SECOND YEAR	
English 14, 15—Freshman		English 21, 22—Sophomore	
English	10	English	10
History 14, 15—Western		Physical Education	3
Civilization	10	**Electives	35
Physical Education 11, 12, 13	3		
Natural Science	10		
*Mathematics 9 or 16	5		
**Electives	9		
Library Science 11	1		
TOTAL	48	TOTAL	48

Concentration - Medical Technology Terminal

This is a two-year program for those students who wish to meet the requirements of the American Society of Clinical Pathologists and who will complete their training at some approved school of Medical Technology. An Associate in Arts degree is awarded upon successful completion of the academic program described below.

Armstrong College is affiliated with the Savannah School for Medical Technologists, which is nationally approved. It is possible for a student to meet all requirements for national registration through these two institutions.

FIRST YEAR		SECOND YEAR	
English 14 15—Freshman	English 10	English 21, 22	10
History 14, 15—History of Western		Physical Education	3
Civilization	10	Biology 23	6
Physical Education 11, 12 and 13	3	Biology 21	5
Mathematics 16	5	Chemistry 13, 25	12
Biology 14, 15	10	Electives	9
Chemistry 11, 12	10		
Library Science 11	1		
TOTAL	51	TOTAL	45

Concentration - Nursing

Armstrong College offers the following courses in cooperation with the Warren A. Candler School of Nursing. With the permission of the instructor and the approval of the student's adviser, a student not enrolled in the School of Nursing may take any of the following courses:

Biology 18, 19	10
Chemistry 11	5

* Note admission requirements for Mathematics 9 and Mathematics 16 as stated on pages 58 and 59.

** A student must elect 20 hours from at least three of the following departments: Foreign Language, Political Science, Economics, Fine Arts, Home Economics, Psychology, Sociology, Mathematics (other than Math. 19).

Sociology 20a	5
Physical Education 1n	1
Biology 21	5
Home Economics 1n	4
Psychology 21a	5
TOTAL	35

Concentration - Stenographic

A student who has only one year to spend in college may herein acquire some of the skills which will enable him to earn a livelihood.

Commerce 11 a, b, c—Typing	6
Commerce 12 a, b, c—Shorthand	15
Commerce 17—Office Practice	5
Business Administration 24—Accounting	5
**English 14, 15—Freshman	10
*Physical Education 11, 12, 13	3
Commerce 13a, b, c, Burroughs Calculator and Comptometer	6
TOTAL	50

* Physical Education is required in all one year terminal programs if a certificate is desired.

** English 28 may be substituted for English 15.

Course Descriptions

General

Armstrong College reserves the right to (1) withdraw any course for which less than ten students register, (2) limit the enrollment in any course or class section, (3) fix the time of meeting of all classes and sections, and (4) offer such additional courses as demand and staff personnel warrant.

No credit will be given in beginning courses in commerce and languages where the same or similar courses have been presented for admission from high school.

Where two or more courses are listed under one description, no credit for graduation will be given until the sequence is completed.

Courses which are offered in the day program are assigned a number which is less than 100. All Evening College courses are numbered above 100. In some course descriptions Evening College course numbers appear in parentheses. For example: Biology 16-17 (116-117).

After each course name, there are three numbers in parentheses. The first number listed is the number of hours of lecture; the second, the number of hours of laboratory; and the third, the number of quarter hours of credit the course carries. For example: Human Biology (5-0-5).

The quarters indicating when courses will be taught apply to the day sessions only, not the Evening College.

ART

Art 11—Creative Art (2-6-5). Spring.

Drawing, art principles and design with work in other media at the discretion of the instructor. Some application will be made to poster-making, lettering and everyday life needs.

Art 113—Ceramics (5-0-5). Laboratory fee: \$2.00

A beginner's course in the fundamentals of pottery and clay modeling. Various ways of forming clay, decorating, glazing and firing suitable subjects.

Art 114—Ceramics (5-0-5). Laboratory fee: \$2.00

A continuation of the beginner's course with emphasis on design, using the potter's wheel and understanding the use of glazes. Work may be developed in pottery or clay sculpture.

Art 115—Drawing and Painting (5-0-5). Laboratory fee, \$2.00.

A course in the elements of pictorial composition, drawing and color. Basic work and experimentation will be conducted from still life, natural forms, and living models. Combined with the studio work will be discussions and reviews in history and appreciation of art.

During latter course sessions, efforts will be made to provide special instruction to students desiring particular information on techniques and methods.

Art 116—Drawing and Painting (5-0-5). Laboratory fee, \$2.00.

A continuation of Art 115.

BIOLOGY

Anatomy and Physiology 1n-2n-3n (2-2-3). Laboratory fee, \$2.50

A three-quarter course in human anatomy and physiology. The gross anatomy, some histology and physiology of the organ systems are presented in order to give the student an understanding of the human body as a basis for further studies in clinical nursing. The laboratory work includes some dissection of the lower vertebrates and elementary experiments in physiology. (Not offered in 1956-57).

Bacteriology 1n-2n (2-2-3). Laboratory fee, \$2.50.

An introduction to micro-organisms as living organisms and as pathogens. The structure, life history and public health importance of representative viruses, bacteria, molds, protozoa and helminthes are considered. The laboratory work includes the techniques of culturing bacteria and the study of the scientific basis of antiseptic and aseptic procedures. (Not offered in 1956-57).

Biology 11 (111)—General Botany (3-4-5). Fall. Laboratory fee, \$4.00.

A study of the structure of roots, stems and leaves, basic physiology and ecology of plants. Laboratory work on representative species.

Biology 12 (112)—General Botany (3-4-5). Spring. Laboratory fee, \$4.00. Prerequisite: Biology 11.

A study of the reproduction, heredity and evolution of seed plants, with studies of representative species of the other major plant groups. Laboratory work includes frequent field trips.

Biology 14 (114)—General Zoology (3-4-5). Fall and Winter. Laboratory fee, \$4.00.

Introduction to animal structures and function and a survey of the invertebrate phyla. Laboratory work on representative species of the basic invertebrate phyla.

Biology 15 (115)—General Zoology (3-4-5). Winter and Spring. Laboratory fee, \$4.00. Prerequisite: Biology 14.

Study of vertebrate structure and function, using selected vertebrate material for laboratory dissection.

Biology 14-B—General Zoology (3-6-6). Laboratory fee, \$3.50.

Introduction to animal structures and function and a survey of the invertebrate phyla. Laboratory work on representative species of each phylum. (Not offered in 1956-57).

Biology 15-B—General Zoology (3-6-6). Laboratory fee, \$3.50. Prerequisite: Biology 14.

Study of vertebrate structure and function, using selected vertebrate material for laboratory dissection. Concludes with a study of the principles of evolution and genetics. (Not offered in 1956-57).

Biology 16-17 (116-117)—Human Biology (5-0-5). Winter and Spring. Four lectures and one demonstration period.

A non-laboratory course beginning with a survey of the basic biological principles and continuing with a study of the structure and function of the human body. The second quarter is a continuation of the first and concludes with a study of the principles of genetics and evolution. No credit for graduation is allowed until sequence is completed.

Biology 18-19—Human Anatomy and Physiology (3-4-5). Fall and Winter. Laboratory fee, \$4.00 each quarter.

A twoquarter course considering the gross anatomy, histology and physiology of the organ systems. Laboratory work includes thorough dissection of a typical mammal as well as basic experiments in physiology. Not for pre-medical and pre-dental students.

Biology 21—Microbiology (3-4-5). Spring. Laboratory fee, \$5.00. Prerequisites: Ten hours of a biological science with a laboratory and five hours of inorganic chemistry.

An introduction to micro-organisms with primary emphasis on bacteria. The morphology, life history and public health importance of representative bacteria, molds, viruses, protozoa and helminthes are considered.

Biology 23—Comparative Vertebrate Anatomy (3-6-6). Fall. Laboratory fee, \$6.00. Prerequisite: Biology 14 and 15.

A study of the anatomy and evolution of the organ systems of the vertebrates. Laboratory work on *Squalus*, *Necturus* and the cat.

Business Administration

Business Administration 24 (124)—Principles of Accounting, Introductory (5-0-5).

An introduction to the fundamental principles and procedures of accounting, including a study of the journal, the ledger, accounting statements, controlling accounts, special journals and the accounting system.

Business Administration 124a—Principles of Accounting, Introductory (3-0-3). Summer only. (B. A. 124a and B. A. 124b are identical to Business Administration 24 (124).

An introduction to the fundamental principles and procedures of accounting, including a study of the journal, the ledger, accounting statements, controlling accounts, special journals and the accounting system.

Business Administration 124b—Principles of Accounting, Introductory (3-0-3). Summer only.

Continuation of Business Administration 124a.

Business Administration 25 (125)—Principles of Accounting, Introductory (5-0-5). Winter. Prerequisite: Business Administration 24.

An application of accounting principles to certain problems such as the proprietorship, the partnership, the corporation, departmental operations, manufacturing accounts and the analysis of accounting statements.

Business Administration 125a—Principles of Accounting, Introductory (3-0-3) Summer only. (Business Administration 125a and Business Administration 125b are identical to Business Administration 25 (125).

An application of accounting principles to certain problems such as the proprietorship, the partnership, the corporation, departmental operations, manufacturing accounts and the analysis of accounting statements.

Business Administration 125b—Principles of Accounting, Introductory (3-0-3). Summer only.

Continuation of Business Administration 125a.

Business Administration 27 (127)—Business Law (5-0-5) Spring.

Law governing the basic principles applicable to the following subjects. Contracts: offer and acceptance, consideration, performance, rights of third parties and discharge. Agency: creation of an agency, liabilities of principal and agent. Negotiable instruments: elements of negotiability, endorsement and transfer, liabilities of parties, discharge.

Business Administration 28 (128)—Business Law (5-0-5). Spring.

The law governing the basic legal principles applicable to the following subjects which are of particular interest to those planning to

major in accounting. Partnership: formation, powers, liabilities of partners, termination. Corporation: formation, powers, rights of security holders, types of securities. Sales: vesting of title, warrants, remedies.

Business Administration 29 (129)—*Cost Accounting* (5-0-5). Spring. Prerequisite: *Business Administration* 25 (125).

Methods of determining and distributing costs in manufacturing and other concerns, stressing the securing of unit costs under both the order and the process methods.

Business Administration 34 (134)—*Principles of Accounting, Intermediate* (5-0-5). Spring. Prerequisite: *Business Administration* 25.

Basic accounting theory and the solution of problems requiring an application of accounting theory.

Business Administration 35 (135)—*Intermediate Accounting* (5-0-5). Second course. Prerequisite: *Business Administration* 34 (134).

A continuation of *Business Administration* 34 (134) emphasizing the theories of valuation of fixed assets and liability accounts, the application of these theories and the interpretation of financial statements prepared on the basis of these theories.

Business Administration 36 (136)—*Income Tax Accounting* (5-0-5). Prerequisite: *Business Administration* 25 (125).

A study of federal income tax laws and the application of these laws to the income tax returns of individuals, partnerships and corporations.

Business Administration 37 (137)—*Tax Accounting* (5-0-5). Prerequisite: *Business Administration* 36 (136).

A continuation of *Business Administration* 36 (136) with emphasis on corporations and fiduciary returns and social security taxes, gift taxes and estate taxes.

Business Administration 115—*Business Correspondence* (5-0-5). Fall.

A study of business correspondence, letters, information reports, follow-up sales programs, statistical analysis and inter-office communication. Stress is placed upon the mastery of fundamentals of clear writing.

Business Administration 116—*Report Writing*. (5-0-5).

Study and practice of effective English in business letters, technical papers, engineering reports. Letters, reports, quizzes.

Business Administration 131—*Retail Advertising and Sales Promotion* (5-0-5). Prerequisites *Economics* 124.

A course in retail advertising and sales promotion basically concerned with selling in the retail fields—emphasizing the psychology of advertising as a branch of sales. The course explores the various media and culminates with direct sales approaches. Primarily an advertising course, it can be easily tailored to meet the needs of the average salesman.

Business Administration 141—Advanced Accounting (5-0-5). Prerequisite: Business Administration 35 (135).

A study of the problems of partnerships, parent and subsidiary accounting, consignments, installment accounting and other specialized accounting problems.

Business Administration 142—Advanced Accounting (5-0-5). Prerequisite: Business Administration 141.

A continuation of Business Administration 141.

Business Administration 143—Auditing Theory (5-0-5). Prerequisite: Business Administration 25 (125).

Principles governing audits and audit procedure and a study of the practical application of accounting knowledge as applied to audit procedures.

Business Administration 145—C. P. A. Review (5-0-5). Prerequisite: Advanced Accounting and Auditing.

A review of the interpretation of the federal income tax law as applied to individuals, partnerships, estates and trusts; also a review of the methods of ascertaining and distributing cost in manufacturing concerns emphasizing the securing of costs under the job order, process and standard methods.

Business Administration 151—Introduction to Transportation (5-0-5). Fall.

History of transportation; developments leading to legislative supervision of railroads; developments leading to Federal regulation of carriers, other than railroads; freight classifications; principles of freight rates and tariffs.

Business Administration 152—Elementary Rates and Tariffs. (5-0-5). Winter. Prerequisite: Business Administration 151 or permission of the instructor.

Shipping documents and their application; special freight services; freight claims, overcharge and loss and damage; freight tariff circulars; construction and filing of tariffs; terminal facilities and switching; and demurrage.

Business Administration 153—Intermediate Rates and Tariffs. (5-0-5). Spring. Prerequisite: Business Administration 152, or permission of instructor.

Reconsignment and diversion; transit privileges; rules governing stopping in transit shipments for partial unloading and to complete loading; weights, weighing, and payment of freight charges; warehousing and distribution; material handling; and packaging.

Business Administration 154—Advanced Rates and Tariffs. (5-0-5). Fall. Prerequisite: Business Administration 153, or permission of the instructor.

Through routes and rates; milling in transit; technical tariff and rate interpretation; overcharges and undercharges; loss and damage claims; import and export traffic; and classification committee procedure.

Business Administration 155—Interstate Commerce Law. (5-0-5). Winter. Prerequisite: Business Administration 154, or permission of the instructor.

Evolution of Interstate Commerce Act; construction of Interstate Commerce Act; interpretation and application of Interstate Commerce Act; application of penalties under the Interstate Commerce Act; creation and organization of Interstate Commerce Commission; practice before the Interstate Commerce Commission.

Business Administration 156—Interstate Commerce Commission and Public Service Commission Procedure. (5-0-5) Spring. Prerequisite: Business Administration 156, or permission of the instructor.

Practice before Interstate Commerce Commission; statutory authority for awarding damages; revision of Commission's decision; general review.

Business Administration 160—Principles of Management. (5-0-5). Prerequisite: Economics 124.

Designed to prepare students in the fundamentals of all phases of administrative, staff and operative management. Successful management principles and techniques are given for all fields of business which include: business objectives, policies, functions, executive leadership, organization structure and morale, cooperative procedure and control procedure.

Business Administration 161—Principles of Insurance. (5-0-5). Prerequisite: Economics 124.

A comprehensive treatment of the insurance field: an explanation of the different types of insurance and fundamental underlying principles, the organization of the insurance business and accepted insurance practices.

Business Administration 162—Real Estate Principles. (5-0-5). Prerequisite: Economics 124.

A consideration of the general principles of property utilization, the law dealing with ownership, transfer of title and liens; the appraisal process, determinants of values, the real estate cycle, management and salesmanship and regulatory legislation.

Chemistry

Chemistry 1n—Chemistry for Nurses (4-2-5). Laboratory fee, \$2.50. Laboratory breakage, \$3.00.*

Principles of inorganic, organic and physiological chemistry with some special applications to nursing practice. (Not offered in 1956-57).

Chemistry 11—General Inorganic (4-3-5). Fall. Laboratory fee, \$3.00. Laboratory breakage fee, \$3.00*. Pre-requisite: Two years of high school algebra, Mathematics 9, or consent of instructor.

The chemistry of some important metallic and non-metallic elements including a systematic treatment of chemical principles and their applications.

Chemistry 12—General Inorganic (4-3-5). Winter. Laboratory fee, \$3.00. Laboratory breakage fee, \$3.00*. Pre-requisite: Chemistry 11.

This course is a continuation of Chemistry 11.

Chemistry 13—Qualitative Inorganic Analysis (3-6-5). Spring. Laboratory fee, \$5.00. Laboratory breakage fee, \$5.00*. Pre-requisite: Chemistry 12.

A study of the fundamental theories of qualitative analysis of common cations and anions by semi-micro methods.

Chemistry 14—General Inorganic (5-3-6). Laboratory fee, \$3.50. Laboratory breakage fee, \$3.00*. Prerequisite: Two years of high school algebra or Mathematics 10 or its equivalent.

The chemistry of some important metallic and non-metallic elements including a systematic treatment of chemical principles and their applications. (Not offered in 1956-57).

Chemistry 15—General Inorganic (5-3-6). Laboratory fee, \$3.50. Laboratory breakage fee, \$3.00.* Prerequisite: Chemistry 14 or its equivalent.

Continuation of Chemistry 14. (Not offered in 1956-57).

* Refundable at the end of each quarter if no items have been lost or broken and all requirements of the laboratory have been complied with.

Chemistry 24—Qualitative Inorganic Analysis (3-6-5). Fall. Laboratory fee, \$5.00. Laboratory breakage fee, \$5.00.* Prerequisite: Chemistry 15, 18 or its equivalent.

A study of the fundamental theories of qualitative analysis of common cations and anions by semi-micro methods.

Chemistry 25a—Quantitative Inorganic Analysis (2-6-4). Winter. Laboratory fee, \$5.00. Laboratory breakage fee, \$5.00.* Pre-requisite: Chemistry 13 or approval of the instructor.

A study of the fundamental theories and applications of quantitative analysis involving volumetric and gravimetric methods. No credit is given for this course before completion of Chemistry 25b.

Chemistry 25b—Quantitative Inorganic Analysis (1-6-3). Spring. Laboratory fee, \$5.00. Laboratory breakage fee, \$5.00.* Pre-requisite: Chemistry 25a or its equivalent.

This course is a continuation of Chemistry 25a.

Commerce

Commerce 11a—Beginning Typing (0-5-2). Fall and Winter. Laboratory fee, \$3.50.

This course consists of introductory instruction in the technical features and care of the machine, position, fingering, proper technique and mastery of the keyboard. An average speed of 30 words a minute is attained at the end of the first quarter.

Commerce 11b—Beginning Typing Continued (0-5-2). Winter and Spring. Laboratory fee, \$3.50.

This course is a continuation of speed development. In addition, instruction in typing letters and setting up simple tabulations is given.

An average of 40 words a minute should be attained at the end of the second quarter.

Commerce 11c—Intermediate Typing. (0-5-2). Spring. Laboratory fee, \$3.50. Prerequisite: Commerce 11a-b or equivalent.

A typewriter course in which emphasis is placed on speed building and accuracy. Special typing problems such as business letters, minutes, notices, stencil cutting and carbon copies are stressed.

An average of 50 words a minute should be attained at the end of the third quarter.

Commerce 12a-b—Beginning Shorthand (5-0-5). Fall and Winter.

* Refundable at the end of each quarter if no items have been lost or broken and all requirements of the laboratory have been complied with.

Complete theory of Gregg Shorthand in the manual. Additional reading and dictation given from Speed Studies.

Commerce 12c—Intermediate Shorthand (5-0-5). Spring.

Dictation and transcription of new and studied material. Student is required to take dictation at the rate of eighty words a minute.

Commerce 13a—Burroughs Calculator and Comptometer (0-5-2). Fall. Laboratory fee, \$3.50.

The objective of this course is to build speed and accuracy in the operation of the Burroughs Calculator and Comptometer and a thorough review of business mathematics. This quarter is devoted to the operation of the four fundamentals in arithmetic on the calculator.

Commerce 13b—Burroughs Calculator and Comptometer (0-5-2). Winter. Laboratory fee, \$3.50.

The following business mathematics is reviewed and applied on the machine during this quarter: decimal equivalents, split division, invoicing over the fixed decimal, percentages, discounts, and chain discounts, costs, selling and rate of profit.

Commerce 13c—Burroughs Calculator and Comptometer (0-5-2). Spring. Laboratory fee, \$3.50.

The third quarter is a continuation of business problems on the machine. The transactions covered are reciprocals, figuring grain, cipher, divisions, prorating cost and expenses, gross and dozen in invoicing inventories.

Commerce 17—Office Practice (5-0-5). Spring.

Typical business office situations are duplicated as nearly as possible. Practical problems deal with typing, operation of the mimeograph, filing and office courtesy.

Commerce 21a—Advanced Typing (0-5-2). Fall. Laboratory fee, \$3.50. Prerequisite: Commerce 11c or equivalent.

Advanced typing is a course in the acquisition of speed and accuracy including various legal forms and papers, manuscripts and business papers.

Commerce 21b—A continuation of Commerce 21a (0-5-2). Winter. Laboratory fee, \$3.50.

Commerce 21c—A continuation of Commerce 21b (0-5-2). Spring. Laboratory fee, \$3.50. An average of 60 words is attained.

Commerce 22a—Advanced Shorthand (5-0-5). Fall. Prerequisites: Commerce 12a, b, c.

A course in which the principles of Gregg Shorthand are applied in developing skill and accuracy in writing shorthand and in transcribing. The first half year is devoted to dictation of general business material; the second half, to dictation material applying to major vocations.

Commerce 22b—A continuation of Commerce 22a (5-0-5). Winter.

Commerce 22c—A continuation of Commerce 22b (5-0-5). Spring. A speed of 120 words a minute is required.

Commerce 23a—Advanced Calculator and Comptometer (0-5-2). Fall. Laboratory fee, \$3.50.

The next two quarters are devoted to the application of the machine and business mathematics to the following businesses: drugs, hardware, electrical, plumbing, contracting, wholesale paper, pay roll, packing house, creameries and dairies, laundries, steel and iron, department stores, banks, lumber, petroleum, railroads.

Commerce 23b—A continuation of Commerce 23a (0-5-2). Winter. Laboratory fee, \$3.50.

Commerce 23c—Advanced Calculator and Comptometer (0-5-2). Spring. Laboratory fee, \$3.50.

Speed, skill and accuracy in the operation of the machine are stressed in this last period.

Economics

Economics 21 (121)—Principles and Problems of Economics (5-0-5). Fall.

A study of the principles behind the economic institutions of the present time and an examination of some of the economic problems in the modern world.

Economics 24 (124)—Principles and Problems of Economics (5-0-5). Winter. Prerequisite: Economics 21.

A continuation of the study of economic principles and problems begun in Economics 21.

Economics 125—Elementary Economic Statistics (5-0-5).

An introduction to presentation and analysis of quantitative economic data. Statistical sources, table reading, chart making; elementary statistical procedures and their economic interpretation; introduction to index and time series analysis.

Economics 126—American Economic History (5-0-5).

The growth and development of economic institutions in the United States from the colonial period to the present with major emphasis on the period since 1860. It will deal with agriculture, industry, labor, domestic and foreign commerce, transportation, money and banking, and finance.

Economics 127—Money and Banking (5-0-5). Prerequisite: Economics 124.

The role of money in the economic organization; monetary theory; methods of stabilizing the price level; the integration of financial institutions; theory of bank deposits and elasticity of bank currency; discount policy and the interest rate of central banks; methods of regulating credit and business activities.

Economics 128—Principles of Marketing (5-0-5). Prerequisite: Economics 124.

Principles and methods involved in the movement of goods and services from producers to consumers; marketing functions; marketing manufactured goods, raw materials and agricultural products; proposals for improving the marketing structure.

Economics 129—Labor Economics (5-0-5). Prerequisite: Economics 124.

An analysis of the background and origin of our modern labor organizations and their remarkable growth in recent years.

Special emphasis is placed on the social and economic aspects of our labor problems including the study of wages, working conditions, unemployment problems, the movement toward shorter hours, workers welfare plans, labor organizations and the outlook for future developments along these lines.

Economics 130—Personnel Administration (5-0-5). Prerequisites: Elementary Psychology and Economics.

A study of the principles and practices in the field of the administration of human relations and industry. Emphasis is given to scientific techniques and devices in the development of a well-rounded personnel program.

Economics 131—Government and Business (5-0-5). Prerequisite: Economics 124.

A general survey of the economic aspects of business regulation by the government, with specific reference to regulatory developments and methods in the United States; other activities affecting business in general, as extension of loans and subsidies, maintenance of fact-finding agencies and government owned corporations.

Economics 132—Investments. (5-0-5). Prerequisite: Economics 127.

A study of stocks and bonds, market operations, investment mathematics, investment policies and financial statements.

Education

Education 11—Orientation to Education (5-0-5). Fall.

For the beginning or prospective teacher, this subject offers a broad understanding of the American spirit in education, the place of the school in society, its growth and changing function as a social institution. The problem and discussion approach is used.

Engineering

Engineering 11 (111)—Engineering Drawing (0-6-3). Fall.

Topics of study include lettering; the use of the instruments; orthographic projection; auxiliary views; sections and conventions.

Engineering 12 (112)—Engineering Drawing (0-6-3). Winter. Prerequisite: Engineering 11.

Topics of study include drawing conventions; dimensions; pictorial representation; threads and fastenings; shop processes; technical sketching; working drawings; pencil tracing on paper, reproduction processes.

Engineering 112a—Engineering Drawing (0-3-1½). Summer.

Topics of study include drawing conventions; dimensions; pictorial representation; threads and fastenings; shop processes; technical sketching; working drawings; pencil tracing on paper, reproduction processes.

Engineering 112b—Engineering Drawing (0-3-1½). Summer. Continuation of Engineering 112a.

Engineering 13 (113)—Engineering Drawing (0-6-3). Spring. Prerequisite: Engineering 12.

Topics of study include technical sketching of piping and fittings; working drawings; ink tracing on cloth; working drawings from assemblies and assemblies from working drawings.

Engineering 19 (119)—Applied Descriptive Geometry (0-6-3). Spring. Prerequisite: Engineering 12.

Topics of study include the solution of problems involving points, lines, and planes by use of auxiliary views; the solution of problems involving points, lines, and planes by revolution methods; simple intersections; developments of surfaces; an introduction to warped surfaces. Practical applications are emphasized.

English

Students will be assigned to freshman English according to results of tests taken before the beginning of the term.

English 14A (114A)—Freshman English (5-0-5). Fall, Winter and Spring.

This course includes theme writing, with emphasis on correct and forceful expression. The student also reads and discusses such works as the *Iliad*, the *Odyssey*, and plays by Aeschylus, Sophocles and Euripides.

English 14B (114B)—Freshman English (5-0-5). Fall, Winter.

This course is essentially the same as English 14A, but more time is devoted to grammar, punctuation and spelling. In theme writing, emphasis is placed on clarity of communication.

English 15A (115A)—A continuation of English 14A (5-0-5). Fall, Winter and Spring.

The student reads and discusses selections from such authors as Montaigne, Swift, Dickens and English and American poets. Theme writing is continued with practice in preparing documented papers.

English 15B (115B)—A continuation of English 14B (5-0-5). Winter, Spring.

This course is essentially the same as English 15A, but more time is given to correct expression in writing. A documented paper is prepared.

English 21 (121)—Sophomore English—World Literature (5-0-5). Fall and Winter.

A study is made of some of the works of Shakespeare, Goethe's *Faust*, and selections from the Bible.

English 22 (122)—Sophomore English—World Literature (5-0-5). Winter and Spring.

Selected modern poetry, drama and novels are read, both American and European.

English 24—An Introduction to Poetry (5-0-5). Spring.

A study of the various types and forms of poetry with special emphasis on more recent poetry.

English 25—American Literature (5-0-5). Fall. (Not offered in 1956-57).

A survey of American literature and culture. Each student is asked to select one particular period or area or author for concentra-

tion, making reports and writing papers in that phase of the work. The course is primarily conducted by reading and discussion.

English 27—Modern Drama (5-0-5). Fall.

Class reading and discussion of modern plays from Ibsen's "Ghosts" to Miller's "Death of a Salesman." The course is centered on appreciation of drama and improving of oral interpretation through reading selected plays aloud.

English 28—Fundamentals of Speech (5-0-5). Winter.

Basic principles and practices of speech. The course gives some attention to the physiological make-up of the speech mechanism, phonetics, gesture, articulation, pronunciation, and regional speech differences. However, it consists primarily of practicing the fundamentals of speech through a wide variety of formal, informal, extemporaneous, impromptu, and group participation speech exercises.

English 30—Principles of Theatre Art (5-0-5). Spring.

A study and discussion of the fundamentals involved in the development of dramatic art and in the staging methods which have been and are now utilized in producing drama. The course will develop chronologically and will relate directly to historical events and to the changing form and method of writing for the stage.

French

French 11-12 (111-112)—Elementary French (5-0-5). Fall and Winter.

A course for beginners. The spoken language is studied as well as grammar and reading. No credit for graduation will be given until the sequence is completed.

French 21 (121)—Intermediate French (5-0-5). Spring. Prerequisite: Two quarters of college French or two years of high school French.

Review grammar, oral practice, reading of selected texts.

French 22 (122)—Intermediate French, continued (5-0-5). Winter. Prerequisite: Three quarters of college French or three years of high school French.

Further reading of texts, oral and composition practice.

French 23—French Literature of the Nineteenth Century (5-0-5). Prerequisite: Three quarters of college French or three years of high

A survey course. Reading of texts, written and oral reports on collateral reading.

French 24—French Classical Drama (5-0-5). Spring. Prerequisite: French 22.

Selected plays of Corneille, Moliere and Racine.

Geography

Geography 111—World Human Geography (5-0-5).

A survey of world human geography, emphasizing population characteristics, topographic features, distribution of economic activities and geo-political problems within the major geographical regions. Consideration of adequacy of resources to support expanding world populations.

German

German 11-12 (111-112)—Beginning German (5-0-5). Fall and Winter.

Drill upon pronunciation and elements of grammar, conversation, and the training of the ear as well as the eye. German is used as much as practicable in the classroom instruction. The idiomatic use of the language will be studied. Reading of texts and translations. Conversation, dictation, and dialogues.

No credit for graduation is allowed until sequence is completed.

German 21 (121)—Intermediate German (5-0-5). Spring.

Grammar review and comparative grammar studied with the view of enabling students to write compositions. Short stories, life situations in Germany, German magazines, memorization of famous German songs. Conversation and dialogues.

Health

Health 111—Personal and Community Health Problems (5-0-5).

This course considers the meaning of health and factors influencing health behavior; health problems as related to the individual; overview of world, national, state and local health problems; community health organizations; mobilizing and evaluating community health resources. The legal aspects in community health and the laws governing reportable diseases is given special attention.

History

History 14 (114)—An Historical Introduction to Contemporary Civilization (5-0-5). Fall, Winter, and Spring.

This course comprises a chronological survey of the main currents of political, social, religious and philosophical activity in Western Civi-

lization from the period of the sixth century in Greece to the present time.

History 15 (115)—A continuation of History 14 (5-0-5). Winter and Spring.

In addition to a chronological treatment of events studied in the above courses, the dynamics of Western Civilization are studied in works of the following authors: Plato, Dante, Machiavelli, Descartes, Locke, Jefferson, Rousseau, Adam Smith, Malthus, Marx and others.

History 25 (125)—Recent European History (5-0-5). Winter.

This course is designed to provide an opportunity for detailed study of major national and international developments in European affairs from about 1870 to the present time. Special emphasis is devoted to the first World War and new developments in Europe following that war and the complex of world events which preceded the Second World War.

History 26 (126)—Recent American History (5-0-5). Fall.

This course has as its purpose the examination of the most important events and movements, political, social and cultural, in American life from about 1865 to the present time.

Home Economics

Home Economics 1n—Nutrition and Food Preparation (3-2-4). Winter. Laboratory fee, \$4.00.

A study of the laws governing the food requirements of human beings for maintenance of growth, activity, reproduction, and lactation. Complete meals are prepared and served in each laboratory period.

Home Economics 10—Orientations: Careers and Personal Development (5-0-5). Fall.

The many opportunities available in the field, such as food specialists, nutrition experts, nursery school teachers, marriage counselors and others will be discussed. Professional experts in these fields will visit the class to show the many vocations dealing with the home.

How to be more attractive through personal grooming and what is appropriate in manners and dress on various social occasions are emphasized.

Home Economics 11 (111)—Clothing (2-6-5). Winter.

Planning and making individual wardrobes. Fashions, design and fabrics are studied. Laboratory fee, \$2.00.

Home Economics 12—Foods (3-4-5). Spring. Laboratory fee, \$7.00.

This course is based on the human food needs. Preparation and attractive serving of meals is studied.

Home Economics 21—Home Furnishings (4-2-5). Winter. Laboratory fee, \$2.50.

The interior and exterior planning of the home is studied. Emphasis is placed on style of furniture, color and decoration fabrics used in the home.

Home Economics 23—Elementary Textiles and Clothing for the Family (2-6-5). Spring. Laboratory fee, \$2.00.

Practical application of elementary textile study to the selection and use of clothing for the family.

Home Economics 24—Family Fundamentals (5-0-5). Fall.

A course in the family with the problems that one faces in the preparation for children and the adjustment to these children.

Library Science

Library Science 11—Library Usage. (1-0-1).

A one hour course in the use of the Library. A practical survey of library books, resources, tools and services, designed to aid the college student in his study, research, and recreation reading. Practice in the use of the card catalog, Reader's Guide and reference books. Preparation of a bibliography by methods of research.

Students who pass an entrance examination with a grade of at least 70 per cent will be exempt from this course.

Mathematics

Mathematics 9 (109)—Intermediate Algebra (5-0-5). Fall and Spring.

(Students will not receive college credit for this course if they have completed two units of high school credit in algebra.)

This course includes a study of fractions, signed numbers, linear and quadratic equations, ratio, proportion, variation and graphs.

Mathematics 10 (110)—Basic Skills in Mathematics (5-0-5).

(Not open to students who have high school credit for two years of algebra and one of plane geometry.)

This course provides an opportunity for the student to acquire basic skills in mathematics necessary to meet the common demands of various college programs.

Topics from plane geometry include the properties of such geometric figures as polygons, triangles and circles.

Topics from algebra include fractions, signed numbers, linear equations, ratio, proportions, variation, and graphs. (Not offered in 1956-57).

Mathematics 16 (116)—College Algebra (5-0-5). Fall and Winter. Prerequisite: Two units of high school algebra or Mathematics 9.

The course consists of functions and graphs, logarithms, linear and quadratic equations, the binomial theorem, complex numbers and the elementary theory of equations.

Mathematics 17 (117)—Trigonometry (5-0-5). Winter and Spring. Prerequisite: Mathematics 16.

A course covering the solution of the right and general triangle, the solution of trigonometric equations, proof of trigonometric identities, graphs of trigonometric functions, and inverse trigonometric functions.

Mathematics 18 (118)—Plane Analytic Geometry (5-0-5). Spring. Prerequisite: Mathematics 17.

Analytic geometry of the point and the line, elementary conic sections, polar coordinates, transcendental curves and transformation of coordinates. (Not offered in 1956-57).

Mathematics 19 (119)—Mathematics of Finance (5-0-5). Spring. Prerequisite: Mathematics 16.

This course gives that background necessary for dealing with problems found in banking, real estate, financing, and accounting; the operation of the compound-interest law in business; simple problems concerning bonds, sinking funds, valuation of properties and annuities. Practical problems in these fields will be emphasized. The necessary aids and short cuts and use of tables and logarithms will be studied.

Mathematics 20 (120)—Analytic Geometry and Calculus (5-0-5). Spring. Prerequisite: Mathematics 17.

Analytic geometry of the point and the line, graphs of functions, limits, differentiation of algebraic functions and some applications of derivatives.

Mathematics 21 (121)—Calculus (5-0-5). Fall Prerequisite: Mathematics 20.

This course includes the differentiation and integration of polynomials, problems in maxima and minima, approximations by differentials, areas, volumes, centroids, moment of inertia and work.

Mathematics 22 (122)—Calculus (5-0-5). Winter.

Prerequisite: Mathematics 21.

A continuation of Mathematics 21. This course includes differentiation of transcendental functions with application to rates, velocity

and acceleration, curvature and Newton's Method. It also includes formulas and methods of integration.

Mathematics 23 (123)—Calculus (5-0-5). Spring.

Prerequisite: Mathematics 22.

A continuation of Mathematics 22. This course includes Simpson's rule, indeterminate forms, series, hyperbolic functions, partial derivatives and multiple integrals.

Mathematics 108—Plane Geometry (5-0-5).

Topics of study include rectilinear figures, congruent triangles, the circle, similar figures and polygons. (Students will not receive college credit for this course if they have completed one unit of high school credit in geometry.)

Mathematics 114—The Slide Rule (1-2-2).

An intensive study and practice in the use of all scales including the solutions of problems using the trigonometric scales.

Music

Music 11—Elementary and Sight Reading (5-0-5). Fall.

A course designed to teach the student to read music at sight and to understand the fundamental principles of music theory. Melodic dictation, melody writing and an introduction to elementary harmony are included.

Music 12—Theory and Harmony (5-0-5). Winter. Prerequisite: Music 11.

A continuation of Music 11, with emphasis on harmony, harmonic dictation, four-part harmonic writing.

Music 20—Music Appreciation (5-0-5). Spring.

A course designed to help the student understand and enjoy fine music. Analysis of form, style and mediums of musical expression from the great periods of musical art. Lectures, discussions and recorded sessions comprise the course.

Music 115-116-117—Appreciation of Music (2-0-2).

Courses designed for the musically untrained who wish an intelligent understanding of the art of music. Lectures, discussions and recorded listening sessions comprise the course. (Not offered in 1956-57).

Music 18a—Piano (1-0-2).

Beginning or intermediate piano for the adult student. One hour lesson per week. Special fee—\$45.00.

Music 18b—Piano. A continuation of Music 18a (1-0-2).

Music 18c—Piano. A continuation of Music 18b. (1-0-2).

Music 21a—Voice. (1-0-2).

Fundamental instruction in voice production, diction, articulation, breath control, physical and mental poise, applied in the study of songs. One hour lesson per week. Special fee, \$45.00.

Music 21b—Voice. A continuation of Music 21a. (1-0-2).

Music 21c—Voice. A continuation of Music 21b (1-0-2).

(No practice facilities are available at the college. The student must have access to private practice facilities in order to enroll for applied music courses.)

Philosophy

Philosophy 110—Introduction to Philosophy (5-0-5).

The fundamentals of philosophy, the meaning and function of philosophy, the vocabulary and problems of philosophy, and the relation of philosophy to art, science and religion. Includes a survey of the basic issues and major types in philosophy, and shows their sources in experience, history and representative thinkers.

Philosophy 111-112-113—Introduction to Philosophy. (2-0-2).

(Not offered in 1956-57).

An informal discussion of the thinking of certain Greek, Roman, Early Christian Renaissance and modern writers.

Physical Education

Physical Education 11—Conditioning Course (0-3-1). Fall.

Consists of calisthenics, stunts and tumbling, lifts and carries, road work, dual combatives, and simple games.

Physical Education 12—Team Sports (0-3-1). Winter.

Consists of basketball, soccer, speedball and volleyball.

Physical Education 13—Elementary Swimming (0-3-1). Spring.

Physical Education 14—Officiating of Basketball (1-3-2). Winter.

Prerequisite: P. E. 12 or the equivalent.

Consists of a study of rules interpretation and actual experience in coaching and officiating in class and intramural games. Elective credit, except when substituted for P. E. 12.

Physical Education 20—First Aid and Safety Education (4-0-3).

Winter. Elective Credit.

The American Red Cross standard course in first aid is followed by a broad consideration of the opportunities for safety teaching in the school program.

Physical Education 21—Elementary Tennis (0-3-1). Fall.

Physical Education 22—Elementary Boxing for Men (0-3-1). Winter.

Physical Education 23—Senior Life Saving and Instructors' Course in Swimming (2-3-2). Spring.

Physical Education 24—Boxing for Teachers (2-3-2). Winter.

Physical Education 25—Folk Rhythms (0-3-1). Fall.

Physical Education 26—Modern Dance for Women (0-3-1). Winter.

Physical Education 27—Tap Dance for Beginners (0-3-1). Winter.

Physical Education 28—Adult Recreative Sports (0-3-1). Spring.
Consists of passive, semi-active and active games and sports which have carry-over value for later life.

Physical Education 29—Folk Rhythms for Teachers (2-3-2). Fall.

This course consists of advanced training in folk dances and practice teaching of those dances.

Physical Education 30—Archery (0-3-1) Spring.

Physical Education 31—Wrestling for Men (0-3-1). Winter.

Physical Science

Physical Science 11 (111) (5-0-5). Fall. No prerequisite.

A study of the scientific method and its use in the attempt of man to describe and explain the nature of the physical universe. This will include the study of fundamentals of physics and astronomy with some example of the applications of this knowledge in providing a better living for man. An attempt is made to go from the study of the large universe to the study of the small fundamental particles of which this universe is composed.

Physical Science 12 (112) (5-0-5). Winter. Prerequisite: Physical Science 11.

A continuation of Physical Science 11. In this course emphasis is placed on the study of the principles of inorganic and organic chemistry with some example of the application of chemistry in household, industry, medicine, biology, geology, etc. Here the knowledge of the

structure of the fundamental particles of matter (atoms and molecules) is used in the study of the classification of the simple components of matter (elements) and the changes which they undergo to form more complex substances (compounds).

Physics

Physics 11 (111) — General Physics (5-2-6). Winter. Laboratory fee. \$2.50. Prerequisite: a course in college mathematics or consent of the instructor.

Lectures, demonstrations, recitations and laboratory work covering the fields of mechanics and heat.

Physics 12 (112) — General Physics (5-2-6). Spring. Laboratory fee. \$2.50. Prerequisite: Physics 11 or consent of the instructor.

Lectures, demonstrations, recitations and laboratory work covering the fields of electricity, sound and light.

Physics 21 (121) — Mechanics (5-3-6). Fall.

Laboratory fee: \$2.50. Prerequisite: Mathematics 18.

An intensive course in mechanics. The course includes the study of statics, kinetics, energy, power, friction, machines, elasticity, hydrostatics and mechanics of gases.

Physics 22 (122) — Electricity (5-3-6). Winter.

Laboratory fee: \$2.50. Prerequisites: Mathematics 21 and Physics 21.

The course includes the study of magnetism, electrostatics, current electricity and its effect and some electrical instruments.

Physics 23 (123) — Heat, Sound and Light (5-3-6). Spring.

Laboratory fee: \$2.50. Prerequisites: Mathematics 21 and Physics 22.

This course includes basic concepts in heat and thermodynamics, sound, properties of light and a study of some optical instruments.

Political Science

Political Science 12 (112) — The Governments of Foreign Powers (5-0-5).

A study is made of the leading modern political theories, and attention is paid to the structure and powers of the major foreign governments. (Not offered in day session 1956-1957.)

Political Science 13 (113) — Government of the United States (5-0-5). Fall, Winter and Spring.

A study is made of the structure, theory, workings of the national government in the United States and some of the major problems of the state and local government. The course shows how developmental practice has created our government as it stands today.

Psychology

Psychology 1n (5-0-5).

This course is an introduction to the study of human behavior with emphasis on the underlying principles of mental adjustments. The importance of the nurses' own personality is stressed. (Not offered in 1956-57).

Psychology 20 (120)—Applied Psychology (5-0-5) Fall.

This course is an orientation into college and into the choice of a career. The objective aids developed in the field of psychology will be used to discover effective ways of learning in general, and of studying in the college setting. Methods of objective measurement of a person's intelligence, interests, special aptitudes and personality traits will be explored and demonstrated. These will be applied to problems of educational, vocational, and special interest training. For persons already in employment, special problems of personnel management and production output may be studied by modern psychological principles and techniques. Insofar as possible each student will have an opportunity to develop projects in these fields that will be useful in his own plans for education and career.

Psychology 21a (121a)—Introductory Psychology (5-0-5). Winter.

This course introduces the student to how the basic psychological processes operate and affect the behavior of the individual. Facts about patterns of growth from birth to maturity, learning to observe and deal objectively with the real world, having motivation, emotions, conflict and frustration are explored and applied to the student's present daily experience. Special study is given to unconscious influences on behavior in the study of mechanisms of defense and ways of directing these processes into more realistic and creative use of one's feelings, understandings and actions. By the end of the course the student is expected to be able to see these processes at work in a given example of behavior and to begin to see the interaction of all of these processes in a given act or experience. In the seminar type of class discussion the focus is on one of these topics. The discussion objective is for each student, after study, to share his concept of the topic or some phase of it, link it with the information in the text, and test it against his own experiences.

Psychology 21b (121b)—Experimental Psychology (5-0-5). Spring. Prerequisite: Psychology 21a (121a).

In this course the principles explained in Psychology 21a will be tested and explored by special projects and experimentation. Each student will select from a choice of topics introduced in 21a at least one systematic experiment and one live project, develop his plan of procedure, carry out his study according to approved objective methods and prepare a satisfactory written report. Class time will be used for group consultation in order that each member will follow the work of each other student and for use of class guidance and criticism. Topics suitable for a special study project include aspects of child development or special behavior aspects of children, maturation, emotions, conflict, frustrations, mechanisms of defense, sensory processes, perception, learning, remembering, thinking, personality adjustment.

Psychology 22 (122)—Social Psychology (5-0-5). Fall. Prerequisite: Psychology 21a (121a) or consent of instructor.

This course centers on a study of the individual's interaction with his social groups (family, friendship groups, clubs, church groups, community groups). Forces of need, emotion and interests that bind the individual to his groups and the dynamic forces of group interaction are analyzed. The live laboratory of the class itself is used for experiencing the processes of communication and interaction in a group setting. Special topics of attitude formation, leadership, group conflicts, social stratification, mass communication, propaganda, public opinion formation and methods of changing group patterns are studied, both by consulting the reports of responsible studies and by group projects.

Psychology 23 (123)—Child Psychology (5-0-5). Prerequisite: Psychology 21.

This course offers a study of the developmental factors operating in a child's experience which make for, or interfere with, effective expression of his capacities and adjustments to life situations. Sources are drawn from experimental research and from findings of analytic psychology. Direct observation of children individually and in a nursery is used as a source of class discussion. (Not offered in 1956-57).

Psychology 25 (125)—Psychology of Adjustment. (5-0-5).

The class setting is used in this course for direct experience of the use of group discussion for self-understanding. This is supplemented by systematic written self-analysis. (Not offered in 1956-57).

Social Science

Social Science 104—Contemporary Georgia (5-0-5).

A study of current economic and social statistics as pertaining to agriculture, industry and commerce; population trends and governmental organizations and problems.

Sociology

Sociology 1n—Elementary Sociology (5-0-5).

This course considers (1) the principles of sociology; (2) the nurse as a citizen of the community and as a professional worker; (3) the importance of the hospital among the social agencies in the community; (4) the patient in the hospital coming from the family and returning to the family. (Not offered in 1956-57).

Sociology 20a (120a)—Introductory Sociology (5-0-5). Winter

Sociology is a study of the social behavior of people as they interact with each other. This course presents information which has been gathered by systematic and scientific studies of human society. Material is drawn from Social Psychology on how an individual is "socialized" to interact with other people within his culture. This leads to some objective study of population patterns and the special distribution of people, occupational patterns of human communities, traits and characteristics of culture groups, typical features of group behavior and of the effect of mass communication on public opinion. Looking at mankind as a whole, his institutions of family, religion, economic behavior and political behavior are studied as stable patterns for meeting basic human needs, and as infinitely varied patterns adapted to the needs of different human groups. This introduction to sociology is successful if it leads the student into a more informed identification with wider segments of the human family and if he gains respect for objective methods of fact-gathering in his efforts to understand his human environment.

Sociology 20b (120b)—Social Problems (5-0-5). Spring. Pre-requisite: Sociology 20a (120a).

In this course the principles explored in Sociology 20a will be explored in planned projects of social research, supervised participation and/or analysis of local community resources. These will take form in accordance with student interest and actual cooperative resources of community organizations and personnel. Suggested areas of study are the fields of health (physical and mental), poverty, employment, education, government, crime (juvenile and adult), dependent children, housing, recreation, resources for the aged and others that reveal community problems or programs. Class time will be used for group consultation in order that each member will follow the work of each other student and for use of class guidance and criticism. At the end of the course a practical analysis will be made of how social change takes place in a community, with attention to the implications for change in national and international communities. For those who elect the Human Relations Concentration, a special seminar will be held at the end of this course for evaluating the students' experience in the whole Human Relations sequence.

Sociology 21 (121)—Marriage and the Family. (5-0-5). Fall and Spring.

This course first introduces the student to the basic uniformities yet infinite varieties of human families. He selects for studying the family pattern in a *culture different from his own*, and then studies the impact of *our own culture* as it influences the roles and interactions of a family that he knows well. This should give some sociological understanding of the family as a cultural institution. The rest of the course focuses on the individual within our culture growing and learning to love in a mature marital union. The early childhood learnings which affect basic attitudes toward parents, authority, the giving and receiving of love, and anger are presented from the findings of analytic psychology. Then each stage in the preparation for marriage is discussed: dating, courting, engagement, marriage, adjustment to money, sex, religion, in-laws, friends and children. Some practical studies of budget, house planning, settling differences, using help, etc. are worked out as projects. A prominent physician is guest lecturer on specialized information affecting the physical adjustment to marriage and parenthood. Through the process of free discussions in the group, the students begin to experience the "give and take" that grows into honesty and mutual respect. The experience of this process is used as a way of learning the reciprocal interaction that is basic to mature love of another person.

Spanish

Spanish 111-112—Elementary (5-0-5). Fall and Winter.

These courses are for the purpose of providing the student with the elements of Spanish reading, composition and conversation. No credit for graduation will be given until sequence is completed.

Spanish 121—Intermediate Spanish (5-0-5). Fall and Spring.

This course gives the student an opportunity to review the elements of Spanish grammar and to delve into the fine points of the language.

Spanish 122—Advanced Spanish (5-0-5).

The purpose of this course is to increase the students' facility in writing and speaking Spanish. Selected masterpieces of Spanish literature and current Spanish newspapers are read.

University of Georgia Extension Courses

The classes listed below are University of Georgia Extension courses. See under "Fees" the extra charges to enroll in these classes.

Business Administration and Economics *

Business Administration	E-311	Introductory Cost Accounting	(5-0-5)
Business Administration	E-351	Principles of Organization & Management	(5-0-5)
Business Administration	E-370	Business Law, first	(5-0-5)
Business Administration	E-371	Business Law, second	(5-0-5)
Business Administration	E-390	Real Estate Principles	(5-0-5)
Business Administration	E-515	Income Tax Accounting	(5-0-5)
Business Administration	E-519	Tax Accounting	(5-0-5)
Economics	E-312	Elementary Economic Statistics	(5-0-5)
Economics	E-326	Money and Banking	(5-0-5)
Economics	E-360	Principles of Marketing	(5-0-5)
Economics	E-386	Labor Economics	(5-0-5)
Economics	E-431	Investments	(5-0-5)
Economics	E-444	Government and Business	(5-0-5)

Classics

Classical Culture	E-301x	Greek Culture	(5-0-5)
Classical Culture	E-301y	Latin Culture	(5-0-5)

English

English	E-303	English Literature to 1800	(5-0-5)
English	E-304	English Literature after 1800	(5-0-5)
English	E-343	Contemporary Drama	(5-0-5)
English	E-411	Children's Literature	(5-0-5)

Geography

Geography	E-101	World Human Geography	(5-0-5)
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History

History	E-350x	American History to 1865	(5-0-5)
History	E-350x	American History since 1865	(5-0-5)

Health Education

Health Education	E-344	Problems in School Health Education	(5-0-5)
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Mathematics

Mathematics	E-102	Mathematics of Finance	(3-0-3)
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Music

Music	E-302	Methods of Teaching Public School Music	(5-0-5)
Music	E-312	Public School Music For Elementary Grades	(5-0-5)

* Economics 121 and 124 are prerequisites to all advanced courses in economics and business administration, except by special permission of the instructor.

Physical Science

Physical Science E-1 Survey (5-0-5)

Political Science

Political Science E-1 American Government (5-0-5)

Psychology

Psychology E-414 Psychology of Personnel (5-0-5)

Psychology E-423 Abnormal Psychology (5-0-5)

Social Science

Social Science E-4 Contemporary Georgia (5-0-5)

Sociology

Sociology E-315 The Field of Social Work (5-0-5)

Sociology E-360 Contemporary Social Problems (5-0-5)

Speech

Speech E-8 Fundamentals of Speech (5-0-5)

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